

Converting Colors

XYZ(56.9202, 69.8654,
105.0931)

Have a look what the booklet for
XYZ(56.9202, 69.8654, 105.0931)
contains.

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Color

**XYZ(56.7793, 69.6061,
105.0505)**

Conversions

Conversions Part 1

Format	Color
Hex	88E7FF
RGB	136, 231, 255
RGB Percent	53%, 91%, 100%
CMY	0.4666, 0.0941, 0.0000
CMYK	0.47, 0.09, 0.00, 0.00
HSL	192°, 100%, 77%
HSV	192°, 47%, 100%
XYZ	56.7793, 69.6061, 105.0505
YIQ	205.3310, -64.3240, -12.6760

Conversions

Conversions Part 2

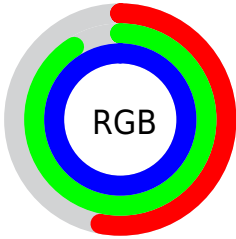
Format	Color
R_{YB}	136, 189, 255
Decimal	8972287
CIE _{Lab}	86.80, -22.02, -20.38
CIE _{LCh}	87, 29.999, 222.788
Yxy	69.6061, 0.2453, 0.3008
Android (android.graphics.Color)	4287162367 (0xFF88E7FF)
YUV	205.3310, 24.4868, -60.8033
Hunter-Lab	83.4303, -24.5230, -16.2533

Details

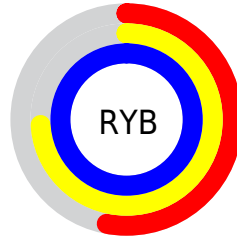
The XYZ color **56.7793, 69.6061, 105.0505** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **58.2554, 48.1800, 29.5239**, and the grayscale version is **58.1192, 61.1459, 66.5879**.

A 20% lighter version of the original color is **76.3157, 90.3421, 108.0232**, and **28.5035, 36.2737, 58.9253** is the 20% darker color. If you saturate the color by 10%, you get **51.7022, 64.8850, 104.4068**, and if you desaturate by 10%, it is **62.8876, 74.9248, 105.7551**.

Distribution



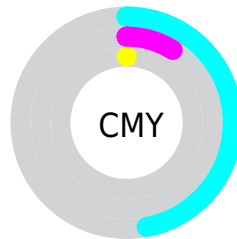
- Red (53%)
- Green (91%)
- Blue (100%)



- Red (53%)
- Yellow (74%)
- Blue (100%)



- Cyan (47%)
- Magenta (9%)
- Yellow (0%)
- Black (0%)



- Cyan (47%)
- Magenta (9%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 56.7793, 69.6061, 105.0505 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the XYZ color 56.7793, 69.6061, 105.0505 by changing the saturation by 10% instead.

56.7793, 69.6061,
105.0505

56.7793, 69.6061,
105.0505

402.6494,
459.1657, 597.6509

41.0675, 51.2055,
79.8848

99.2763, 118.6469,
170.1928

28.5598, 36.3722,
59.0979

126.7922,
150.0558, 211.0064

18.8906, 24.7218,
42.2714

158.9736,
186.5696, 257.8730

11.6948, 15.8699,
28.9867

196.1858,
228.5727, 311.2113

6.6069, 9.4321,
18.8253

238.7941,
276.4494, 371.4397

3.2617, 5.0241,
11.3686

287.1639,

1.2936, 2.2614,

330.5843, 438.9767

6.1980

341.6605,
391.3616, 514.2409

■ 0.1784, 0.7532,
2.8951

■ 0.0000, 0.0000,
1.0413

■ 56.7793, 69.6061,
105.0505

■ 56.7793, 69.6061,
105.0505

■ 51.7022, 64.8850,
104.4068

■ 62.8876, 74.9248,
105.7551

■ 47.5792, 60.7163,
103.8195

■ 70.0856, 80.8670,
106.5227

■ 44.3314, 57.0606,
103.2850

■ 78.4343, 87.4661,
107.3565

■ 41.8639, 53.8683,
102.7989

■ 87.9882, 94.7510,
108.2590

■ 40.0578, 51.0776,
102.3554

95.0500, 100.0000,
108.9000

■ 39.5425, 50.2050,
102.2142

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



53.9009, 69.6061, 84.6302



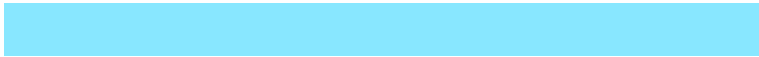
56.7793, 69.6061, 105.0505



62.2615, 69.6061, 118.8116

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



56.7793, 69.6061, 105.0505



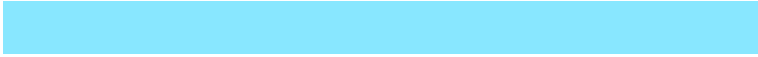
79.8417, 69.6061, 87.7563



63.2287, 69.6061, 44.1146

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



56.7793, 69.6061, 105.0505



58.2554, 48.1800, 29.5239

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



70.2148, 69.6061, 44.6528



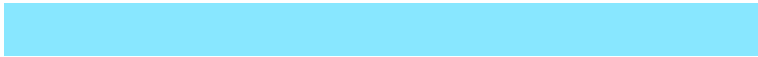
56.7793, 69.6061, 105.0505



80.1464, 69.6061, 67.5865

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



56.7793, 69.6061, 105.0505



75.7123, 69.6061, 107.6835



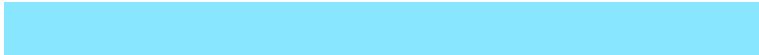
76.5176, 69.6061, 52.5388



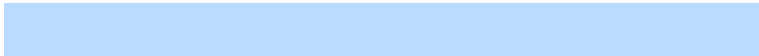
57.4443, 69.6061, 50.9106

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



56.7793, 69.6061, 105.0505



66.8142, 69.6061, 121.0902



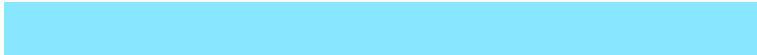
76.5176, 69.6061, 52.5388



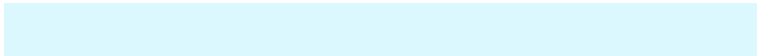
65.5071, 69.6061, 43.4839

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



56.7812, 69.6087, 105.0509



80.8600, 89.3390, 107.5901



52.2423, 79.2859, 45.7183



16.8855, 18.7968, 22.9881



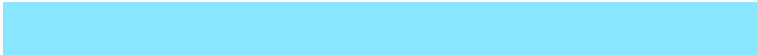
0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



56.7812, 69.6087, 105.0509



52.0092, 65.1812, 104.4478



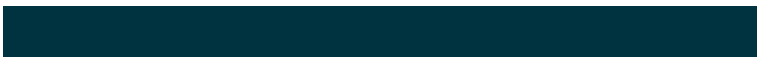
42.9005, 41.8472, 100.4240



18.2255, 19.8225, 23.1155



20.7709, 26.4514, 53.4455



2.0975, 2.7258, 5.2288

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



64.4693, 44.6396, 80.8225



60.8116, 38.3947, 76.3036



71.0946, 73.8583, 33.8036



18.6264, 18.2339, 21.9160



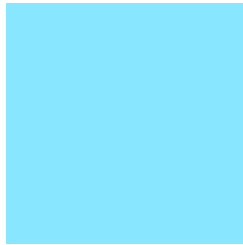
27.2724, 13.3983, 31.1486



2.6933, 1.3197, 3.2325

Previews

White Background



This preview shows how the XYZ color 56.7793, 69.6061, 105.0505 looks on a white background.

Color Contrast Check

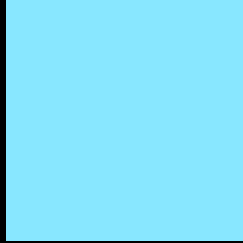
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 56.7793, 69.6061, 105.0505 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

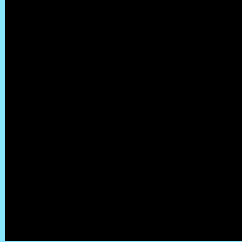
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 56.7793, 69.6061, 105.0505

Background



This preview shows how black text looks on a background with the XYZ color 56.7793, 69.6061, 105.0505.

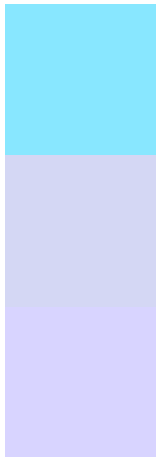


This preview shows how white text looks on a background with the XYZ color 56.7793, 69.6061,

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

56.7793, 69.6061, 105.0505

Protanopia

67.7810, 69.1296, 95.3589

Deuteranopia

69.9124, 68.9059, 104.2231



Tritanopia

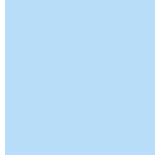
56.1036, 69.7662, 100.9517

Trichromacy



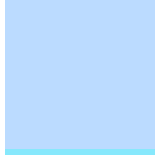
Original Color

56.7793, 69.6061, 105.0505



Protanomaly

62.5669, 68.6806, 98.7660



Deuteranomaly

63.8750, 68.4478, 104.4529



Tritanomaly

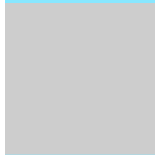
56.4190, 69.8924, 102.6124

Monochromacy



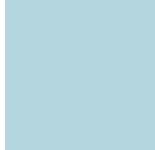
Original Color

56.7793, 69.6061, 105.0505



Achromatopsia

58.0276, 61.0496, 66.4830



Achromatomaly

56.1882, 63.1241, 79.0348

CSS Examples

Text

The CSS property to change the color of the text to XYZ 56.7793, 69.6061, 105.0505 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(136, 231, 255)` looks like.

```
.text, #text, p{  
    color:rgb(136, 231, 255)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(136, 231, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(136, 231, 255) }
```

Border

The CSS property to change the border of an element to XYZ 56.7793, 69.6061, 105.0505 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(136, 231, 255) }
```


If only the border color should be changed use the property border-color.

```
.border{ border-color:rgb(136, 231, 255) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel rgb(136, 231, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(136, 231, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(136, 231, 255);  
box-shadow:4px 4px 4px 4px rgb(136, 231,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 56.7793, 69.6061, 105.0505 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(136, 231, 255) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(136,  
231, 255) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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