

Converting Colors

XYZ(56.8182, 70.2270,
122.1320)

Have a look what the booklet for
XYZ(56.8182, 70.2270, 122.1320)
contains.

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Color

**XYZ(53.4956, 68.7490,
105.0581)**

Conversions

Conversions Part 1

Format	Color
Hex	6DE9FF
RGB	109, 233, 255
RGB Percent	43%, 91%, 100%
CMY	0.5725, 0.0863, 0.0000
CMYK	0.57, 0.09, 0.00, 0.00
HSL	189°, 100%, 71%
HSV	189°, 57%, 100%
XYZ	53.4956, 68.7490, 105.0581
YIQ	198.4320, -80.9660, -19.4460

Conversions

Conversions Part 2

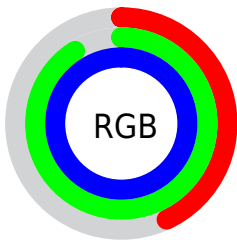
Format	Color
RYB	109, 176, 255
Decimal	7203327
CIELab	86.38, -28.47, -21.11
CIELCh	86, 35.444, 216.562
Yxy	68.7490, 0.2353, 0.3025
Android (android.graphics.Color)	4285393407 (0xFF6DE9FF)
YUV	198.4320, 27.8880, -78.4319
Hunter-Lab	82.9150, -29.9356, -17.0833

Details

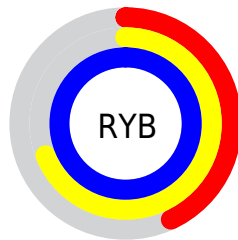
The XYZ color **53.4956, 68.7490, 105.0581** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **52.1176, 38.5980, 19.1734**, and the grayscale version is **53.8122, 56.6147, 61.6534**.

A 20% lighter version of the original color is **70.6046, 87.3979, 107.7560**, and **26.4506, 35.7975, 58.9416** is the 20% darker color. If you saturate the color by 10%, you get **49.7262, 65.2102, 104.5737**, and if you desaturate by 10%, it is **58.2021, 72.8091, 105.5937**.

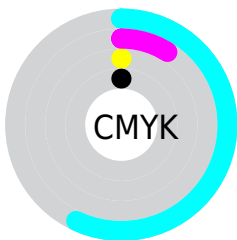
Distribution



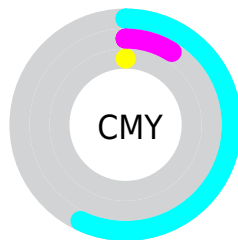
- Red (43%)
- Green (91%)
- Blue (100%)



- Red (43%)
- Yellow (69%)
- Blue (100%)



- Cyan (57%)
- Magenta (9%)
- Yellow (0%)
- Black (0%)



- Cyan (57%)
- Magenta (9%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 53.4956, 68.7490, 105.0581 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 53.4956, 68.7490, 105.0581 by changing the saturation by 10% instead.

53.4956, 68.7490,
105.0581

53.4956, 68.7490,
105.0581

390.4135,
456.1452, 597.6752

38.4276, 50.5073,
79.8911

94.4945, 117.4230,
170.2032

26.4935, 35.8167,
59.1031

121.1561,
148.6241, 211.0185

17.3278, 24.2926,
42.2756

152.4129,
184.9138, 257.8869

10.5652, 15.5508,
28.9899

188.6304,
226.6765, 311.2270

5.8404, 9.2069,
18.8277

230.1738,
274.2966, 371.4573

2.7880, 4.8764,
11.3703

277.4086,

1.0427, 2.1749,

328.1585, 438.9964

6.1992

330.7000,
388.6466, 514.2629

■ 0.0000, 0.7063,
2.8958

■ 0.0000, 0.0000,
1.0417

■ 53.4956, 68.7490,
105.0581

■ 53.4956, 68.7490,
105.0581

■ 49.7262, 65.2102,
104.5737

■ 58.2021, 72.8091,
105.5937

■ 46.8070, 62.1430,
104.1356

■ 63.9116, 77.4202,
106.1828

■ 44.6442, 59.5006,
103.7395

■ 70.6906, 82.6181,
106.8288

■ 43.1146, 57.2190,
103.3797

■ 78.5980, 88.4336,
107.5346

■ 42.7546, 56.6291,
103.2849

■ 87.6885, 94.8951,
108.3026

95.0500, 100.0000,
108.9000

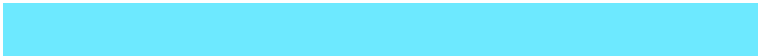
Harmonies

Analogous

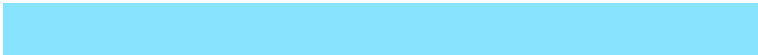
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



50.9169, 68.7490, 80.1281



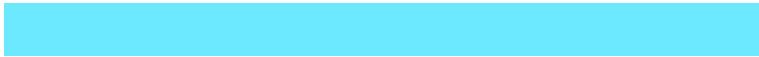
53.4956, 68.7490, 105.0581



59.2791, 68.7490, 124.3177

Triad

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



53.4956, 68.7490, 105.0581



80.8804, 68.7490, 94.2625



63.5611, 68.7490, 38.4009

Complementary

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



53.4956, 68.7490, 105.0581



52.1176, 38.5980, 19.1734

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.



71.8088, 68.7490, 40.6380



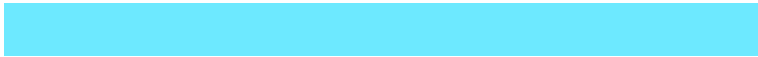
53.4956, 68.7490, 105.0581



82.2670, 68.7490, 69.8204

Square

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



53.4956, 68.7490, 105.0581



75.1789, 68.7490, 117.2304



78.8239, 68.7490, 51.0797



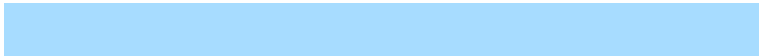
56.4063, 68.7490, 44.1645

Rectangle

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



53.4956, 68.7490, 105.0581



64.4042, 68.7490, 129.4918



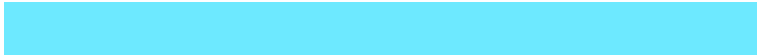
78.8239, 68.7490, 51.0797



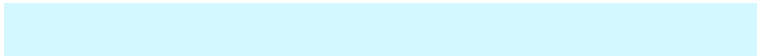
66.2927, 68.7490, 38.2638

Sweetspot

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



53.4975, 68.7515, 105.0585



78.8122, 88.5883, 107.5532



46.1580, 76.4079, 33.7549



16.5078, 18.6999, 22.9893



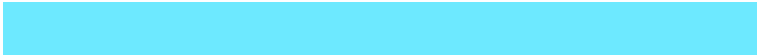
0.0000, 0.0000, 0.0000



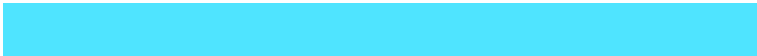
20.3446, 21.4041, 23.3091

Same Dimension

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



53.4975, 68.7515, 105.0585



49.1569, 64.6411, 104.4939



36.9466, 35.6497, 99.5415



18.3080, 19.9875, 23.1430



22.4285, 29.7666, 53.9980



2.2442, 3.0192, 5.2777

Inverse Universe

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



61.4179, 38.0823, 81.2069



58.1113, 32.4879, 76.9637



65.5705, 65.5038, 23.6577



18.6681, 18.2506, 22.1353



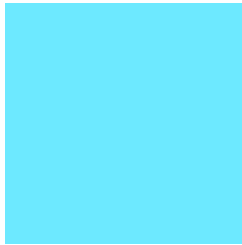
28.1091, 13.7329, 35.5545



2.7674, 1.3493, 3.6225

Previews

White Background



This preview shows how the XYZ color 53.4956, 68.7490, 105.0581 looks on a white background.

Color Contrast Check

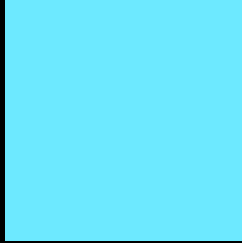
Large Text (above 18pt) WCAG AA × Fail

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 53.4956, 68.7490, 105.0581 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

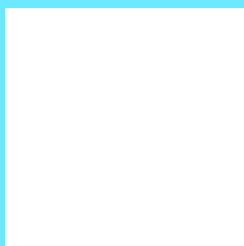
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 53.4956, 68.7490, 105.0581

Background



This preview shows how black text looks on a background with the XYZ color 53.4956, 68.7490, 105.0581.

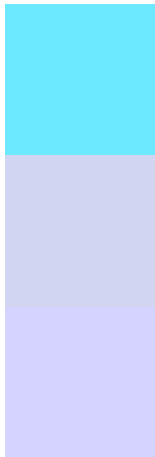


This preview shows how white text looks on a background with the XYZ color 53.4956, 68.7490,

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

53.4956, 68.7490, 105.0581

Protanopia

66.3996, 67.7009, 93.5724

Deuteranopia

68.7848, 67.9547, 104.0990



Tritanopia

52.8939, 68.4942, 102.5284

Trichromacy



Original Color

53.4956, 68.7490, 105.0581



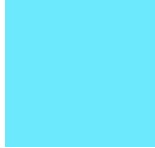
Protanomaly

59.6153, 66.7860, 97.7446



Deuteranomaly

61.0607, 66.9970, 104.3212



Tritanomaly

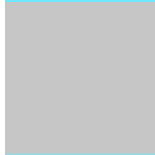
53.0529, 68.5578, 103.3653

Monochromacy



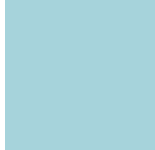
Original Color

53.4956, 68.7490, 105.0581



Achromatopsia

53.6758, 56.4712, 61.4971



Achromatomaly

51.8063, 59.8100, 75.8318

CSS Examples

Text

The CSS property to change the color of the text to XYZ 53.4956, 68.7490, 105.0581 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(109, 233, 255)` looks like.

```
.text, #text, p{  
    color:rgb(109, 233, 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(109, 233, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(109, 233, 255) }
```

Border

The CSS property to change the border of an element to XYZ 53.4956, 68.7490, 105.0581 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(109, 233, 255) }
```


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

```
.border{ border-color:rgb(109, 233, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(109, 233, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(109, 233, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(109, 233, 255);  
box-shadow:4px 4px 4px 4px rgb(109, 233,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 53.4956, 68.7490, 105.0581 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(109, 233, 255) }
```

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

```
.background{ background-color: rgb(109,  
233, 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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