

Converting Colors

XYZ(53.6695, 66.1362, 96.3231)

Have a look what the booklet for
XYZ(53.6695, 66.1362, 96.3231)
contains.

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Color

**XYZ(53.6695, 66.1362,
96.3231)**

Conversions

Conversions Part 1

Format	Color
Hex	87E2F5
RGB	135, 226, 245
RGB Percent	53%, 89%, 96%
CMY	0.4706, 0.1137, 0.0392
CMYK	0.45, 0.08, 0.00, 0.04
HSL	190°, 85%, 75%
HSV	190°, 45%, 96%
XYZ	53.6695, 66.1362, 96.3231
YIQ	200.9570, -60.3350, -13.3830

Conversions

Conversions Part 2

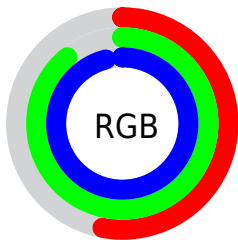
Format	Color
R _Y B	135, 185, 245
Decimal	8905461
CIE Lab	85.07, -22.36, -17.74
CIE LCh	85, 28.543, 218.432
Yxy	66.1362, 0.2483, 0.3060
Android (android.graphics.Color)	4287095541 (0xFF87E2F5)
YUV	200.9570, 21.7132, -57.8443
Hunter-Lab	81.3242, -24.5171, -13.2982

Details

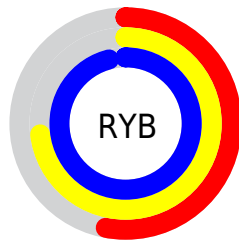
The XYZ color **53.6695, 66.1362, 96.3231** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **53.5863, 44.2743, 28.6451**, and the grayscale version is **55.3890, 58.2736, 63.4599**.

A 20% lighter version of the original color is **75.8023, 90.0775, 107.9992**, and **26.5405, 33.9601, 53.3002** is the 20% darker color. If you saturate the color by 10%, you get **49.0359, 62.0618, 95.7821**, and if you desaturate by 10%, it is **59.2425, 70.7400, 96.9192**.

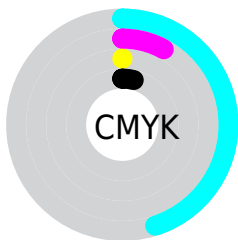
Distribution



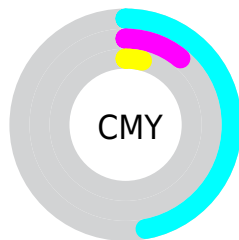
- Red (53%)
- Green (89%)
- Blue (96%)



- Red (53%)
- Yellow (73%)
- Blue (96%)



- Cyan (45%)
- Magenta (8%)
- Yellow (0%)
- Black (4%)



- Cyan (47%)
- Magenta (11%)
- Yellow (4%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 53.6695, 66.1362, 96.3231 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 53.6695, 66.1362, 96.3231 by changing the saturation by 10% instead.

53.6695, 66.1362,
96.3231

53.6695, 66.1362,
96.3231

391.0674,
446.8638, 569.4843

38.5671, 48.3830,
72.6337

94.7485, 113.6818,
158.1025

26.6023, 34.1303,
53.1865

121.4559,
144.2430, 197.0297

17.4098, 22.9937,
37.5629

152.7623,
179.8422, 241.8731

10.6242, 14.5889,
25.3445

189.0331,
220.8640, 293.0514

5.8802, 8.5313,
16.1125

230.6337,
267.6926, 350.9832

2.8123, 4.4368,
9.4486

277.9293,

1.0553, 1.9208,

320.7125, 416.0869

4.9341

331.2855,
380.3081, 488.7811

■ 0.0000, 0.5608,
2.1506

■ 0.0000, 0.0000,
0.6456

■ 53.6695, 66.1362,
96.3231

■ 53.6695, 66.1362,
96.3231

■ 49.0359, 62.0618,
95.7821

■ 59.2425, 70.7400,
96.9192

■ 45.2723, 58.4763,
95.2883

■ 65.8060, 75.8954,
97.5683

■ 42.3095, 55.3451,
94.8401

■ 73.4147, 81.6324,
98.2747

■ 40.0643, 52.6252,
94.4335

■ 82.1174, 87.9764,
99.0405

■ 38.4350, 50.2637,
94.0635

■ 91.0317, 94.4728,
99.8246

■ 37.7637, 49.1567,
93.8852

■ 92.3416, 97.0926,
100.2612

■ 93.4817, 99.3727,
100.6412

Harmonies

Analogous

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



51.4128, 66.1362, 77.3257



53.6695, 66.1362, 96.3231



58.4267, 66.1362, 110.1888

Triad

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



53.6695, 66.1362, 96.3231



75.0660, 66.1362, 85.8188



61.0660, 66.1362, 42.3717

Complementary

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



53.6695, 66.1362, 96.3231



53.5863, 44.2743, 28.6451

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.



67.5130, 66.1362, 43.8601



53.6695, 66.1362, 96.3231



75.8925, 66.1362, 66.9457

Square

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



53.6695, 66.1362, 96.3231



70.8580, 66.1362, 103.4410



73.0451, 66.1362, 52.1784



55.4885, 66.1362, 47.6952

Rectangle

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



53.6695, 66.1362, 96.3231



62.5230, 66.1362, 113.4939



73.0451, 66.1362, 52.1784



63.1992, 66.1362, 42.1130

Sweetspot

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



53.6715, 66.1387, 96.3247



82.0889, 90.6472, 107.7778



48.4231, 72.7681, 41.7770



17.1436, 19.0868, 23.0305



0.0000, 0.0000, 0.0000



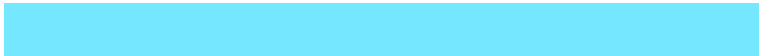
20.3446, 21.4041, 23.3091

Same Dimension

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



53.6715, 66.1387, 96.3247



54.0633, 68.2964, 104.9408



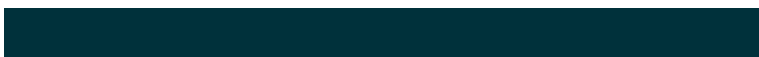
41.1641, 41.1238, 92.1555



16.7390, 18.2422, 21.1814



20.4344, 26.6626, 50.6074



1.8587, 2.4689, 4.4688

Inverse Universe

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



60.0494, 42.2333, 76.9411



62.0909, 39.8344, 80.1787



64.6681, 66.4379, 32.3390



17.0836, 16.7163, 20.1866



26.1189, 12.7910, 31.6640



2.3273, 1.1369, 2.9497

Previews

White Background



This preview shows how the XYZ color 53.6695, 66.1362, 96.3231 looks on a white background.

Color Contrast Check

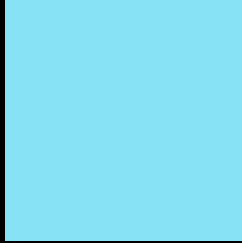
Large Text (above 18pt) WCAG AA × Fail

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 53.6695, 66.1362, 96.3231 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

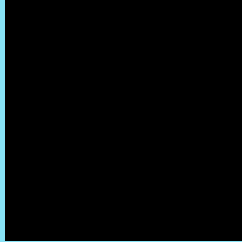
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 53.6695, 66.1362, 96.3231

Background



This preview shows how black text looks on a background with the XYZ color 53.6695, 66.1362, 96.3231.

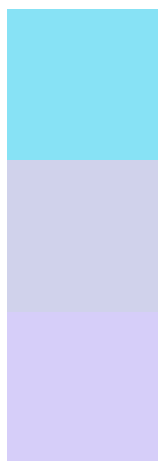


This preview shows how white text looks on a background with the XYZ color 53.6695, 66.1362,

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

53.6695, 66.1362, 96.3231

Protanopia

64.0544, 65.5012, 87.8642

Deuteranopia

66.9017, 65.2783, 98.6964



Tritanopia

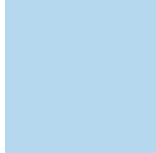
53.5172, 66.0753, 95.5211

Trichromacy



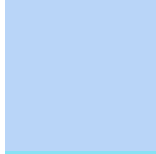
Original Color

53.6695, 66.1362, 96.3231



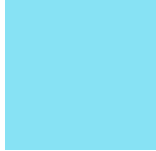
Protanomaly

59.1919, 65.1675, 91.1202



Deuteranomaly

60.7451, 64.6801, 98.0898



Tritanomaly

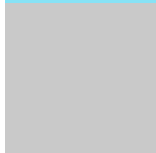
53.5172, 66.0753, 95.5211

Monochromacy



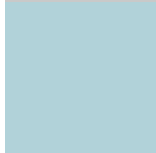
Original Color

53.6695, 66.1362, 96.3231



Achromatopsia

55.5167, 58.4078, 63.6061



Achromatomaly

53.7024, 60.4501, 74.4832

CSS Examples

Text

The CSS property to change the color of the text to XYZ 53.6695, 66.1362, 96.3231 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(135, 226, 245)` looks like.

```
.text, #text, p{  
    color:rgb(135, 226, 245)  
}
```

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(135, 226, 245) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(135, 226, 245) }
```

Border

The CSS property to change the border of an element to XYZ 53.6695, 66.1362, 96.3231 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(135, 226, 245) }
```


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

```
.border{ border-color:rgb(135, 226, 245) }
```

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

Here you see how a box with a 4 pixel `rgb(135, 226, 245)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(135, 226, 245); -webkit-box-  
shadow:4px 4px 4px 4px rgb(135, 226, 245);  
box-shadow:4px 4px 4px 4px rgb(135, 226,  
245) }
```

Background

The CSS property to change the background color of an element to XYZ 53.6695, 66.1362, 96.3231 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(135, 226, 245) }
```

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

```
.background{ background-color: rgb(135,  
226, 245) }
```

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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