

Converting Colors

XYZ(45.6687, 56.0554, 92.0026)

Have a look what the booklet for
XYZ(45.6687, 56.0554, 92.0026)
contains.

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Color

**XYZ(45.4793, 55.8236,
91.5971)**

Conversions

Conversions Part 1

Format	Color
Hex	6FD2F1
RGB	111, 210, 241
RGB Percent	44%, 82%, 95%
CMY	0.5647, 0.1765, 0.0549
CMYK	0.54, 0.13, 0.00, 0.05
HSL	194°, 82%, 69%
HSV	194°, 54%, 95%
XYZ	45.4793, 55.8236, 91.5971
YIQ	183.9330, -68.9550, -11.3470

Conversions

Conversions Part 2

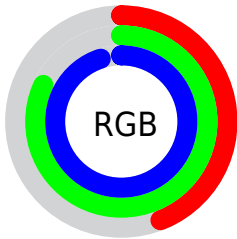
Format	Color
RYB	111, 167, 241
Decimal	7328497
CIELab	79.51, -20.62, -24.12
CIELCh	80, 31.734, 229.478
Yxy	55.8236, 0.2358, 0.2894
Android (android.graphics.Color)	4285518577 (0xFF6FD2F1)
YUV	183.9330, 28.1340, -63.9622
Hunter-Lab	74.7152, -22.0982, -20.3859

Details

The XYZ color **45.4793, 55.8236, 91.5971** is a light color, and the websafe version is hex **66CCFF**. A complement of this color would be **48.8192, 39.1960, 20.0331**, and the grayscale version is **45.4016, 47.7660, 52.0171**.

A 20% lighter version of the original color is **70.6046, 87.3979, 107.7560**, and **21.5170, 27.4809, 50.0692** is the 20% darker color. If you saturate the color by 10%, you get **41.4530, 51.6805, 91.0106**, and if you desaturate by 10%, it is **50.3780, 60.4944, 92.2415**.

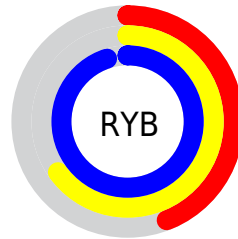
Distribution



Red (44%)

Green (82%)

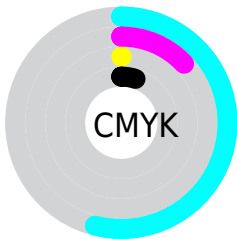
Blue (95%)



Red (44%)

Yellow (65%)

Blue (95%)

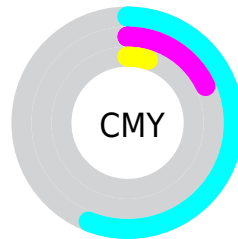


Cyan (54%)

Magenta (13%)

Yellow (0%)

Black (5%)



Cyan (56%)

Magenta (18%)

Yellow (5%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 45.4793, 55.8236, 91.5971 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 45.4793, 55.8236, 91.5971 by changing the saturation by 10% instead.

45.4793, 55.8236,
91.5971

45.4793, 55.8236,
91.5971

359.4624,
409.0264, 553.9162

32.0380, 40.0615,
68.7249

82.6718, 98.7466,
151.5097

21.5462, 27.5865,
50.0173

107.1538,
126.6763, 189.3872

13.6386, 18.0142,
35.0559

136.0467,
159.4307, 233.1034

7.9497, 10.9602,
23.4220

169.7158,
197.3941, 283.0771

4.1143, 6.0401,
14.6972

208.5266,
240.9510, 339.7267

1.7670, 2.8695,
8.4629

252.8444,

0.4977, 1.0640,

290.4858, 403.4707

4.3006

303.0346,
346.3828, 474.7276

■ 0.0000, 0.0000,
1.7916

■ 0.0000, 0.0000,
0.4224

■ 45.4793, 55.8236,
91.5971

■ 45.4793, 55.8236,
91.5971

■ 41.4530, 51.6805,
91.0106

■ 50.3780, 60.4944,
92.2415

■ 38.2257, 48.0230,
90.4748

■ 56.2042, 65.7187,
92.9428

■ 35.7206, 44.8118,
89.9870

■ 63.0145, 71.5274,
93.7051

■ 33.8418, 41.9968,
89.5426

■ 70.8594, 77.9474,
94.5308

■ 32.9211, 40.4385,
89.2904

■ 79.7857, 85.0035,
95.4223

■ 89.6139, 92.6040,
96.3713

■ 91.3747, 96.1257,
96.9583

■ 92.8774, 99.1310,
97.4591

Harmonies

Analogous

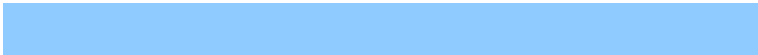
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



42.3116, 55.8236, 73.2682



45.4793, 55.8236, 91.5971



50.8495, 55.8236, 102.2892

Triad

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



45.4793, 55.8236, 91.5971



66.0591, 55.8236, 67.4277



49.0717, 55.8236, 33.3087

Complementary

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



45.4793, 55.8236, 91.5971



48.8192, 39.1960, 20.0331

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.



55.3309, 55.8236, 32.3667



45.4793, 55.8236, 91.5971



65.4869, 55.8236, 49.8023

Square

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



45.4793, 55.8236, 91.5971



62.9425, 55.8236, 86.5914



61.4365, 55.8236, 37.7932



44.2678, 55.8236, 40.6906

Rectangle

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



45.4793, 55.8236, 91.5971



55.1048, 55.8236, 102.4466



61.4365, 55.8236, 37.7932



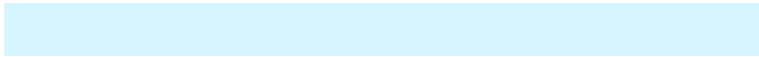
51.0638, 55.8236, 32.2937

Sweetspot

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



45.4811, 55.8257, 91.5984



78.5744, 87.0152, 107.2620



42.8449, 68.2244, 36.2419



16.4142, 18.2965, 22.9164



0.0000, 0.0000, 0.0000



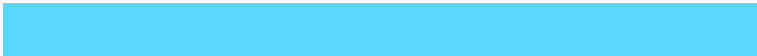
20.3446, 21.4041, 23.3091

Same Dimension

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



45.4811, 55.8257, 91.5984



46.6158, 58.2000, 103.3846



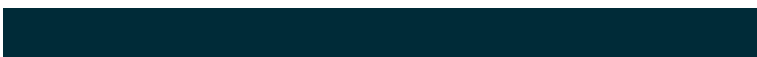
32.6619, 30.1874, 87.3254



15.9094, 17.2529, 20.2132



17.9616, 22.1475, 48.4561



1.5701, 1.9942, 4.0564

Inverse Universe

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



53.5944, 34.7245, 64.8527



57.1603, 33.3773, 68.0411



61.2979, 64.1533, 24.1927



16.2837, 15.9632, 19.0502



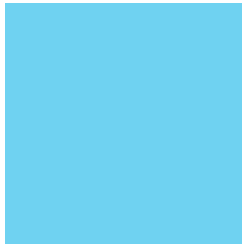
24.3918, 12.0292, 25.7776



2.0675, 1.0160, 2.3461

Previews

White Background



This preview shows how the XYZ color 45.4793, 55.8236, 91.5971 looks on a white background.

Color Contrast Check

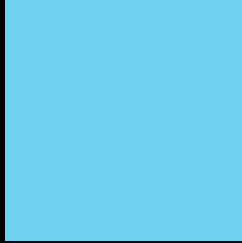
Large Text (above 18pt) WCAG AA × Fail

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 45.4793, 55.8236, 91.5971 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 45.4793, 55.8236, 91.5971

Background



This preview shows how black text looks on a background with the XYZ color 45.4793, 55.8236, 91.5971.

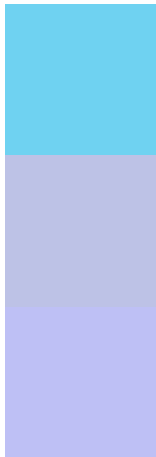


This preview shows how white text looks on a background with the XYZ color 45.4793, 55.8236,

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

45.4793, 55.8236, 91.5971

Protanopia

54.5610, 55.1156, 82.6256

Deuteranopia

56.5663, 55.2390, 94.0670



Tritanopia

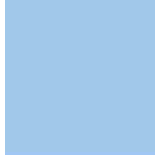
43.7497, 55.8699, 82.6069

Trichromacy



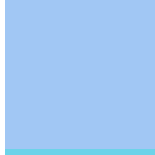
Original Color

45.4793, 55.8236, 91.5971



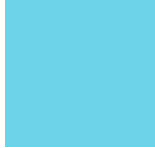
Protanomaly

50.2035, 54.8261, 85.7784



Deuteranomaly

51.4505, 54.9556, 93.4837



Tritanomaly

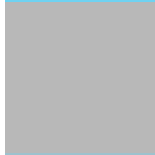
44.1866, 55.6599, 85.5053

Monochromacy



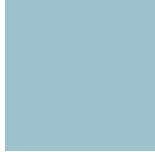
Original Color

45.4793, 55.8236, 91.5971



Achromatopsia

45.5594, 47.9320, 52.1980



Achromatomaly

43.9940, 49.7158, 65.0350

CSS Examples

Text

The CSS property to change the color of the text to XYZ 45.4793, 55.8236, 91.5971 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(111, 210, 241)` looks like.

```
.text, #text, p{  
    color:rgb(111, 210, 241)  
}
```

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(111, 210, 241) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(111, 210, 241) }
```

Border

The CSS property to change the border of an element to XYZ 45.4793, 55.8236, 91.5971 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(111, 210, 241) }
```


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

```
.border{ border-color:rgb(111, 210, 241) }
```

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

Here you see how a box with a 4 pixel `rgb(111, 210, 241)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(111, 210, 241); -webkit-box-  
shadow:4px 4px 4px 4px rgb(111, 210, 241);  
box-shadow:4px 4px 4px 4px rgb(111, 210,  
241) }
```

Background

The CSS property to change the background color of an element to XYZ 45.4793, 55.8236, 91.5971 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(111, 210, 241) }
```

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

```
.background{ background-color: rgb(111,  
210, 241) }
```

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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