

Converting Colors

XYZ(48.5694, 55.4146, 95.1341)

Have a look what the booklet for
XYZ(48.5694, 55.4146, 95.1341)
contains.

XYZ(48.6192, 55.5507, 95.3486)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(48.6192, 55.5507,
95.3486)**

Conversions

Conversions Part 1

Format	Color
Hex	88CDF6
RGB	136, 205, 246
RGB Percent	53%, 80%, 96%
CMY	0.4666, 0.1961, 0.0353
CMYK	0.45, 0.17, 0.00, 0.04
HSL	202°, 86%, 75%
HSV	202°, 45%, 96%
XYZ	48.6192, 55.5507, 95.3486
YIQ	189.0430, -54.2850, -1.8770

Conversions

Conversions Part 2

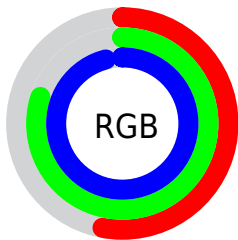
Format	Color
R _Y B	136, 178, 246
Decimal	8965622
CIE Lab	79.36, -11.15, -26.93
CIE LCh	79, 29.150, 247.519
Yxy	55.5507, 0.2437, 0.2784
Android (android.graphics.Color)	4287155702 (0xFF88CDF6)
YUV	189.0430, 28.0798, -46.5187
Hunter-Lab	74.5323, -13.9918, -23.6766

Details

The XYZ color **48.6192, 55.5507, 95.3486** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **58.1734, 52.8161, 30.4228**, and the grayscale version is **48.2626, 50.7761, 55.2951**.

A 20% lighter version of the original color is **76.0581, 90.2093, 108.0112**, and **23.5028, 27.4706, 52.7788** is the 20% darker color. If you saturate the color by 10%, you get **42.9439, 49.4649, 94.4741**, and if you desaturate by 10%, it is **55.3434, 62.3704, 96.3115**.

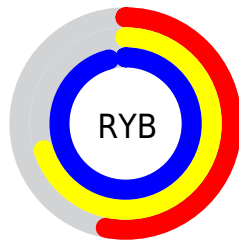
Distribution



Red (53%)

Green (80%)

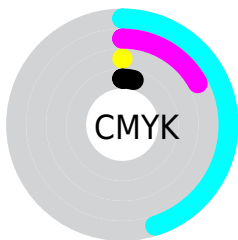
Blue (96%)



Red (53%)

Yellow (70%)

Blue (96%)

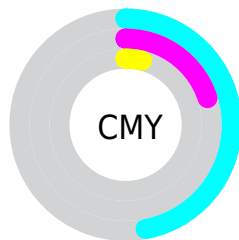


Cyan (45%)

Magenta (17%)

Yellow (0%)

Black (4%)



Cyan (47%)

Magenta (20%)

Yellow (4%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 48.6192, 55.5507, 95.3486 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 48.6192, 55.5507, 95.3486 by changing the saturation by 10% instead.

■ 48.6192, 55.5507,
95.3486

■ 48.6192, 55.5507,
95.3486

371.7831,
407.9961, 566.2932

■ 34.5308, 39.8428,
71.8267

■ 87.3297, 98.3473,
156.7458

■ 23.4665, 27.4160,
52.5311

■ 112.6826,
126.2049, 195.4582

■ 15.0609, 17.8859,
37.0434

■ 142.5210,
158.8811, 240.0712

■ 8.9487, 10.8681,
24.9451

177.2102,
196.7604, 291.0032

■ 4.7646, 5.9782,
15.8175

217.1157,
240.2271, 348.6729

■ 2.1431, 2.8318,
9.2421

262.6028,

■ 0.7125, 1.0446,

289.6657, 413.4988

4.8005

314.0368,
345.4606, 485.8994

■ 0.0000, 0.0000,
2.0740

■ 0.0000, 0.0000,
0.6002

■ 48.6192, 55.5507,
95.3486

■ 48.6192, 55.5507,
95.3486

■ 42.9439, 49.4649,
94.4741

■ 55.3434, 62.3704,
96.3115

■ 38.2464, 44.0696,
93.6802

■ 63.1708, 69.9516,
97.3623

■ 34.4546, 39.3255,
92.9644

■ 72.1581, 78.3279,
98.5054

■ 31.4827, 35.1849,
92.3218

■ 82.3564, 87.5285,
99.7438

■ 29.2262, 31.5904,
91.7469

■ 92.3245, 96.8134,
101.0106

■ 28.2419, 29.8681,
91.4664

■ 93.6347, 99.4339,
101.4473

Harmonies

Analogous

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



44.3811, 55.5507, 82.2707



48.6192, 55.5507, 95.3486



54.2829, 55.5507, 98.3158

Triad

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



48.6192, 55.5507, 95.3486



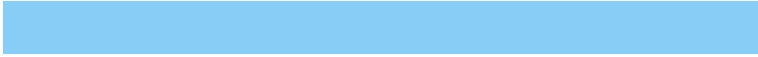
64.7377, 55.5507, 56.3724



46.2490, 55.5507, 38.3880

Complementary

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



48.6192, 55.5507, 95.3486



58.1734, 52.8161, 30.4228

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.



51.3429, 55.5507, 33.8677



48.6192, 55.5507, 95.3486



62.2198, 55.5507, 42.9313

Square

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



48.6192, 55.5507, 95.3486



63.8742, 55.5507, 73.6402



57.2123, 55.5507, 35.3622



43.0847, 55.5507, 48.9984

Rectangle

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



48.6192, 55.5507, 95.3486



58.1616, 55.5507, 93.7390



57.2123, 55.5507, 35.3622



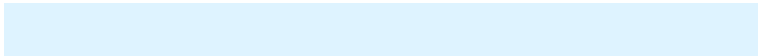
47.7771, 55.5507, 36.2043

Sweetspot

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



48.6210, 55.5528, 95.3499



80.0725, 86.6144, 107.1057



50.9801, 74.2949, 52.9027



16.6429, 18.0854, 22.8636



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.



48.6210, 55.5528, 95.3499



46.9425, 54.0548, 102.5672



37.8026, 33.9160, 91.7438



16.4474, 17.6591, 21.0842



15.2132, 16.2202, 48.8670



1.4354, 1.6223, 4.3277

Inverse Universe

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



57.8312, 41.6107, 62.7434



58.4966, 38.3967, 61.2517



71.1205, 78.7103, 34.7385



16.9364, 16.6574, 19.4116



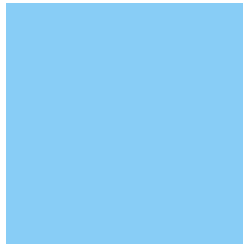
23.4834, 11.7368, 17.7860



2.1136, 1.0514, 1.8246

Previews

White Background



This preview shows how the XYZ color 48.6192, 55.5507, 95.3486 looks on a white background.

Color Contrast Check

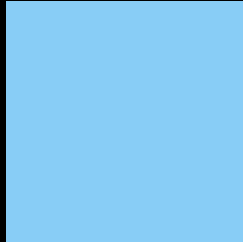
Large Text (above 18pt) WCAG AA × Fail

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 48.6192, 55.5507, 95.3486 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

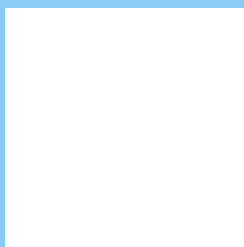
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 48.6192, 55.5507, 95.3486

Background



This preview shows how black text looks on a background with the XYZ color 48.6192, 55.5507, 95.3486.



This preview shows how white text looks on a background with the XYZ color 48.6192, 55.5507,

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

48.6192, 55.5507, 95.3486

Protanopia

54.9741, 55.1957, 88.6453

Deuteranopia

56.4420, 55.1036, 97.2838



Tritanopia

45.5970, 55.7830, 79.5981

Trichromacy



Original Color

48.6192, 55.5507, 95.3486

Protanomaly

52.2197, 55.0639, 91.0952

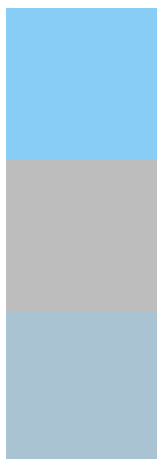
Deuteranomaly

53.0580, 55.0346, 96.6332

Tritanomaly

46.7796, 55.9005, 85.4151

Monochromacy



Original Color

48.6192, 55.5507, 95.3486

Achromatopsia

48.3692, 50.8881, 55.4172

Achromatomaly

47.7255, 52.2294, 68.5386

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.6192, 55.5507, 95.3486 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, 205, 246)` looks like.

```
.text, #text, p{  
    color:rgb(136, 205, 246)  
}
```

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, 205, 246) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(136, 205, 246) }
```

Border

The CSS property to change the border of an element to XYZ 48.6192, 55.5507, 95.3486 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, 205, 246) }
```


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

```
.border{ border-color:rgb(136, 205, 246) }
```

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

Here you see how a box with a 4 pixel `rgb(136, 205, 246)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(136, 205, 246); -webkit-box-shadow:4px 4px 4px 4px rgb(136, 205, 246); box-shadow:4px 4px 4px 4px rgb(136, 205, 246) }
```

Background

The CSS property to change the background color of an element to XYZ 48.6192, 55.5507, 95.3486 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(136, 205, 246) }
```

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

```
.background{ background-color: rgb(136,  
205, 246) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor