

Converting Colors

XYZ(46.5564, 54.6358,
102.6997)

Have a look what the booklet for
XYZ(46.5564, 54.6358, 102.6997)
contains.

XYZ(46.5517, 54.6776, 102.7080)	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(46.5517, 54.6776,
102.7080)**

Conversions

Conversions Part 1

Format	Color
Hex	6ECEFF
RGB	110, 206, 255
RGB Percent	43%, 81%, 100%
CMY	0.5686, 0.1921, 0.0000
CMYK	0.57, 0.19, 0.00, 0.00
HSL	200°, 100%, 72%
HSV	200°, 57%, 100%
XYZ	46.5517, 54.6776, 102.7080
YIQ	182.8820, -72.9450, -5.1130

Conversions

Conversions Part 2

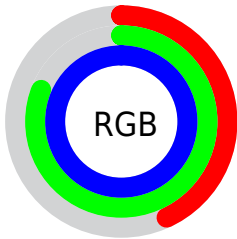
Format	Color
R _Y B	110, 168, 255
Decimal	7261951
CIE Lab	78.86, -14.73, -32.60
CIE LCh	79, 35.776, 245.683
Yxy	54.6776, 0.2283, 0.2681
Android (android.graphics.Color)	4285452031 (0xFF6ECEFF)
YUV	182.8820, 35.5542, -63.9175
Hunter-Lab	73.9443, -17.0277, -30.5923

Details

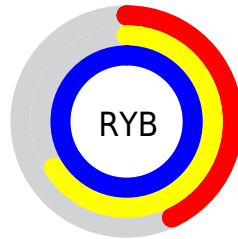
The XYZ color **46.5517, 54.6776, 102.7080** is a light color, and the websafe version is hex **66CCFF**. A complement of this color would be **56.4537, 47.1837, 20.8858**, and the grayscale version is **44.7869, 47.1193, 51.3129**.

A 20% lighter version of the original color is **70.6046, 87.3979, 107.7560**, and **22.2206, 26.9458, 57.4560** is the 20% darker color. If you saturate the color by 10%, you get **41.8057, 49.2363, 101.9079**, and if you desaturate by 10%, it is **52.3273, 60.8207, 103.5894**.

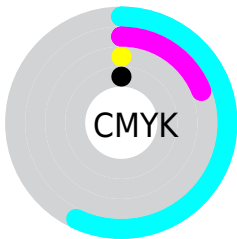
Distribution



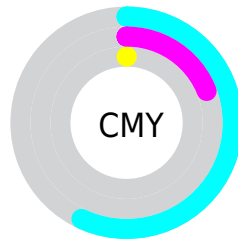
- Red (43%)
- Green (81%)
- Blue (100%)



- Red (43%)
- Yellow (66%)
- Blue (100%)



- Cyan (57%)
- Magenta (19%)
- Yellow (0%)
- Black (0%)



- Cyan (57%)
- Magenta (19%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 46.5517, 54.6776, 102.7080 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 46.5517, 54.6776, 102.7080 by changing the saturation by 10% instead.

■ 46.5517, 54.6776,
102.7080

■ 46.5517, 54.6776,
102.7080

363.7011,
404.6887, 590.1610

■ 32.8879, 39.1437,
77.9346

■ 84.2669, 97.0684,
166.9579

■ 22.1994, 26.8715,
57.5041

■ 109.0489,
124.6941, 207.2714

■ 14.1209, 17.4767,
40.9981

■ 138.2678,
157.1191, 253.6021

■ 8.2871, 10.5750,
27.9979

172.2887,
194.7279, 306.3684

■ 4.3325, 5.7818,
18.0850

211.4772,
237.9049, 365.9889

■ 1.8919, 2.7129,
10.8410

256.1985,

■ 0.5721, 0.9837,

287.0344, 432.8821

5.8472

306.8180,
342.5009, 507.4666

■ 0.0000, 0.0000,
2.6851

■ 0.0000, 0.0000,
0.9359

■ 46.5517, 54.6776,
102.7080

■ 46.5517, 54.6776,
102.7080

■ 41.8057, 49.2363,
101.9079

■ 52.3273, 60.8207,
103.5894

■ 38.0019, 44.4458,
101.1837

■ 59.2005, 67.7001,
104.5550

■ 35.0454, 40.2555,
100.5307

■ 67.2388, 75.3541,
105.6087

■ 32.8143, 36.5998,
99.9427

■ 76.5026, 83.8163,
106.7538

■ 32.2061, 35.5322,
99.7687

■ 87.0478, 93.1182,
107.9934

95.0500, 100.0000,
108.9000

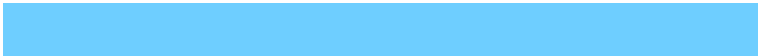
Harmonies

Analogous

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



41.6573, 54.6776, 85.3560



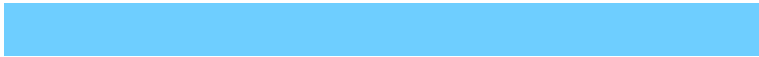
46.5517, 54.6776, 102.7080



53.3321, 54.6776, 107.4902

Triad

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



46.5517, 54.6776, 102.7080



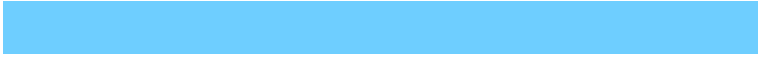
66.7610, 54.6776, 55.7489



44.4111, 54.6776, 33.1042

Complementary

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



46.5517, 54.6776, 102.7080



56.4537, 47.1837, 20.8858

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.



50.6302, 54.6776, 28.5051



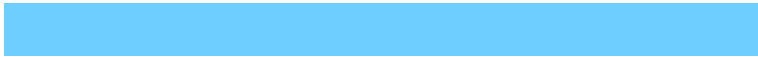
46.5517, 54.6776, 102.7080



63.8567, 54.6776, 39.5291

Square

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



46.5517, 54.6776, 102.7080



65.4190, 54.6776, 77.1161



57.7920, 54.6776, 30.5564



40.5024, 54.6776, 44.8517

Rectangle

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



46.5517, 54.6776, 102.7080



58.1089, 54.6776, 102.1429



57.7920, 54.6776, 30.5564



46.2784, 54.6776, 30.8094

Sweetspot

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



46.5533, 54.6795, 102.7083



76.3641, 83.6920, 106.7371



48.3920, 77.3157, 44.8735



15.9258, 17.5359, 22.7953



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.



46.5533, 54.6795, 102.7083



41.3260, 48.6581, 101.8216



33.0303, 27.6334, 98.2006



18.0076, 19.3867, 23.0429



16.9721, 18.8537, 52.1792



1.7536, 2.0380, 5.1142

Inverse Universe

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



57.9577, 36.8698, 62.4563



54.2370, 31.2384, 55.6366



72.5845, 79.4452, 26.2628



18.5165, 18.1899, 21.3369



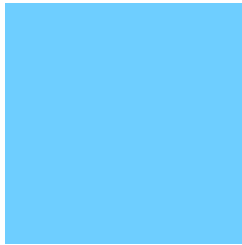
25.3549, 12.6313, 21.0513



2.5198, 1.2503, 2.3185

Previews

White Background



This preview shows how the XYZ color 46.5517, 54.6776, 102.7080 looks on a white background.

Color Contrast Check

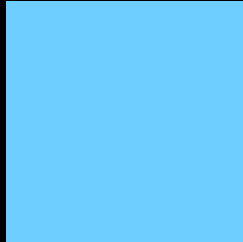
Large Text (above 18pt) WCAG AA × Fail

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 46.5517, 54.6776, 102.7080 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

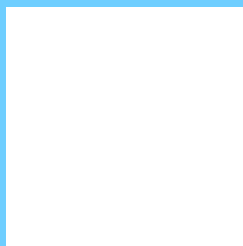
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 46.5517, 54.6776, 102.7080

Background



This preview shows how black text looks on a background with the XYZ color 46.5517, 54.6776, 102.7080.



This preview shows how white text looks on a background with the XYZ color 46.5517, 54.6776,

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

46.5517, 54.6776, 102.7080

Protanopia

54.3871, 54.1156, 93.9650

Deuteranopia

55.2712, 54.0653, 102.1303



Tritanopia

42.4434, 54.8426, 81.7475

Trichromacy



Original Color

46.5517, 54.6776, 102.7080

Protanomaly

50.5827, 53.7406, 97.3295

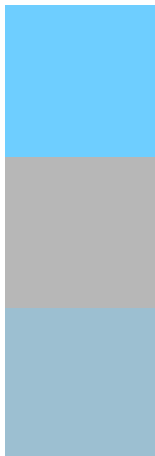
Deuteranomaly

51.1164, 53.5699, 102.2536

Tritanomaly

43.8266, 54.6575, 89.1290

Monochromacy



Original Color

46.5517, 54.6776, 102.7080

Achromatopsia

45.0092, 47.3531, 51.5676

Achromatomaly

43.8497, 48.9330, 67.4555

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.5517, 54.6776, 102.7080 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(110, 206, 255)` looks like.

```
.text, #text, p{  
    color:rgb(110, 206, 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(110, 206, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(110, 206, 255) }
```

Border

The CSS property to change the border of an element to XYZ 46.5517, 54.6776, 102.7080 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(110, 206, 255) }
```


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

```
.border{ border-color:rgb(110, 206, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(110, 206, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(110, 206, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(110, 206, 255);  
box-shadow:4px 4px 4px 4px rgb(110, 206,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 46.5517, 54.6776, 102.7080 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(110, 206, 255) }
```

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

```
.background{ background-color: rgb(110,  
206, 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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