

Converting Colors

XYZ(47.1270, 57.8320, 96.5566)

Have a look what the booklet for
XYZ(47.1270, 57.8320, 96.5566)
contains.

XYZ(47.0132, 57.6189, 96.6394)	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(47.0132, 57.6189,
96.6394)**

Conversions

Conversions Part 1

Format	Color
Hex	6ED5F7
RGB	110, 213, 247
RGB Percent	43%, 84%, 97%
CMY	0.5686, 0.1647, 0.0314
CMYK	0.55, 0.14, 0.00, 0.03
HSL	195°, 90%, 70%
HSV	195°, 55%, 97%
XYZ	47.0132, 57.6189, 96.6394
YIQ	186.0790, -72.3020, -11.2620

Conversions

Conversions Part 2

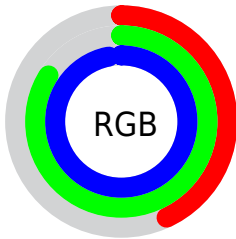
Format	Color
R _Y B	110, 169, 247
Decimal	7263735
CIE Lab	80.53, -20.64, -25.78
CIE LCh	81, 33.022, 231.320
Yxy	57.6189, 0.2336, 0.2863
Android (android.graphics.Color)	4285453815 (0xFF6ED5F7)
YUV	186.0790, 30.0341, -66.7213
Hunter-Lab	75.9071, -22.2832, -22.3487

Details

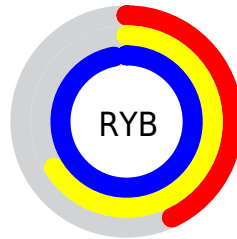
The XYZ color **47.0132, 57.6189, 96.6394** is a light color, and the websafe version is hex **66CCFF**. A complement of this color would be **51.1472, 40.8485, 19.9427**, and the grayscale version is **46.5843, 49.0103, 53.3722**.

A 20% lighter version of the original color is **70.3876, 87.2860, 107.7458**, and **22.5059, 28.6664, 53.6372** is the 20% darker color. If you saturate the color by 10%, you get **42.8451, 53.2255, 96.0121**, and if you desaturate by 10%, it is **52.0996, 62.5746, 97.3289**.

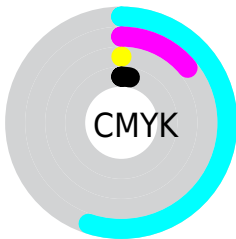
Distribution



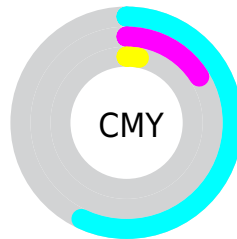
- Red (43%)
- Green (84%)
- Blue (97%)



- Red (43%)
- Yellow (66%)
- Blue (97%)



- Cyan (55%)
- Magenta (14%)
- Yellow (0%)
- Black (3%)



- Cyan (57%)
- Magenta (16%)
- Yellow (3%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 47.0132, 57.6189, 96.6394 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 47.0132, 57.6189, 96.6394 by changing the saturation by 10% instead.

47.0132, 57.6189,
96.6394

47.0132, 57.6189,
96.6394

365.5152,
415.7644, 570.5180

33.2541, 41.5023,
72.8958

84.9519, 101.3677,
158.5426

22.4813, 28.7118,
53.3995

109.8623,
129.7687, 197.5392

14.3296, 18.8629,
37.7318

139.2204,
163.0333, 242.4573

8.4335, 11.5713,
25.4744

173.3917,
201.5459, 293.7153

4.4277, 6.4525,
16.2086

212.7414,
245.6910, 351.7319

1.9468, 3.1221,
9.5160

257.6350,

0.6038, 1.1958,

295.8528, 416.9255

4.9778

308.4379,
352.4158, 489.7147

■ 0.0000, 0.0583,
2.1758

■ 0.0000, 0.0000,
0.6603

■ 47.0132, 57.6189,
96.6394

■ 47.0132, 57.6189,
96.6394

■ 42.8451, 53.2255,
96.0121

■ 52.0996, 62.5746,
97.3289

■ 39.5159, 49.3489,
95.4393

■ 58.1641, 68.1209,
98.0798

■ 36.9416, 45.9461,
94.9182

■ 65.2676, 74.2911,
98.8964

■ 35.0162, 42.9615,
94.4436

■ 73.4646, 81.1143,
99.7814

■ 34.2850, 41.7081,
94.2402

■ 82.8053, 88.6172,
100.7373

■ 92.1468, 96.2116,
101.7108

■ 93.7887, 99.4955,
102.2581

Harmonies

Analogous

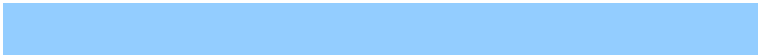
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



43.4937, 57.6189, 77.3182



47.0132, 57.6189, 96.6394



52.8207, 57.6189, 107.3689

Triad

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



47.0132, 57.6189, 96.6394



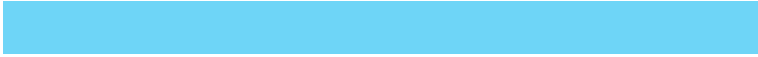
68.6932, 57.6189, 68.5433



50.1595, 57.6189, 33.9824

Complementary

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



47.0132, 57.6189, 96.6394



51.1472, 40.8485, 19.9427

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.



56.7565, 57.6189, 32.5878



47.0132, 57.6189, 96.6394



67.8326, 57.6189, 50.1153

Square

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



47.0132, 57.6189, 96.6394



65.5883, 57.6189, 89.0902



63.3253, 57.6189, 37.8665



45.2032, 57.6189, 42.1725

Rectangle

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



47.0132, 57.6189, 96.6394



57.3647, 57.6189, 106.9419



63.3253, 57.6189, 37.8665



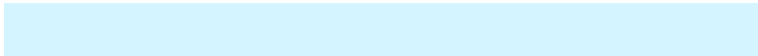
52.2451, 57.6189, 32.7813

Sweetspot

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



47.0151, 57.6210, 96.6408



77.5241, 86.0120, 107.1238



44.5729, 71.7900, 37.0880



16.2012, 18.0867, 22.8871



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.



47.0151, 57.6210, 96.6408



45.4133, 56.4992, 103.1196



33.5822, 30.7553, 92.1632



16.6281, 18.0204, 21.1445



18.2501, 22.2939, 49.8793



1.6846, 2.1206, 4.4108

Inverse Universe

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



55.9456, 35.7321, 66.9012



56.3815, 32.4078, 65.9685



64.3358, 67.2257, 24.3389



17.0276, 16.6939, 19.8919



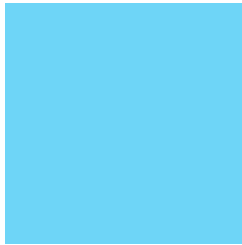
25.0163, 12.3500, 25.8580



2.2394, 1.1017, 2.4868

Previews

White Background



This preview shows how the XYZ color 47.0132, 57.6189, 96.6394 looks on a white background.

Color Contrast Check

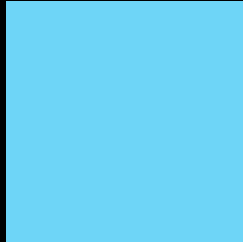
Large Text (above 18pt) WCAG AA × Fail

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 47.0132, 57.6189, 96.6394 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 47.0132, 57.6189, 96.6394

Background



This preview shows how black text looks on a background with the XYZ color 47.0132, 57.6189, 96.6394.



This preview shows how white text looks on a background with the XYZ color 47.0132, 57.6189,

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

47.0132, 57.6189, 96.6394

Protanopia

56.5924, 57.0650, 87.3888

Deuteranopia

58.4136, 57.0716, 99.2040



Tritanopia

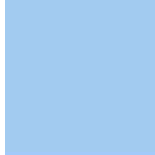
44.8341, 57.4873, 85.8240

Trichromacy



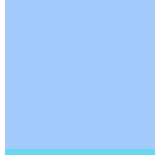
Original Color

47.0132, 57.6189, 96.6394



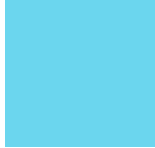
Protanomaly

51.9844, 56.6845, 90.6394



Deuteranomaly

53.2761, 56.8246, 98.6028



Tritanomaly

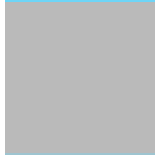
45.5426, 57.3920, 89.5663

Monochromacy



Original Color

47.0132, 57.6189, 96.6394



Achromatopsia

46.6715, 49.1021, 53.4722



Achromatomaly

45.2256, 51.3030, 67.1933

CSS Examples

Text

The CSS property to change the color of the text to XYZ 47.0132, 57.6189, 96.6394 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, 213, 247)` looks like.

```
.text, #text, p{  
    color:rgb(110, 213, 247)  
}
```

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, 213, 247) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(110, 213, 247) }
```

Border

The CSS property to change the border of an element to XYZ 47.0132, 57.6189, 96.6394 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, 213, 247) }
```


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

```
.border{ border-color:rgb(110, 213, 247) }
```

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

Here you see how a box with a 4 pixel `rgb(110, 213, 247)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(110, 213, 247); -webkit-box-  
shadow:4px 4px 4px 4px rgb(110, 213, 247);  
box-shadow:4px 4px 4px 4px rgb(110, 213,  
247) }
```

Background

The CSS property to change the background color of an element to XYZ 47.0132, 57.6189, 96.6394 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(110, 213, 247) }
```

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

```
.background{ background-color: rgb(110,  
213, 247) }
```

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