

Converting Colors

XYZ(37.2486, 46.6064, 81.9030)

Have a look what the booklet for
XYZ(37.2486, 46.6064, 81.9030)
contains.

XYZ(37.1914, 46.4927, 81.8767)	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(37.1914, 46.4927,
81.8767)**

Conversions

Conversions Part 1

Format	Color
Hex	51C3E6
RGB	81, 195, 230
RGB Percent	32%, 76%, 90%
CMY	0.6823, 0.2353, 0.0980
CMYK	0.65, 0.15, 0.00, 0.10
HSL	194°, 75%, 61%
HSV	194°, 65%, 90%
XYZ	37.1914, 46.4927, 81.8767
YIQ	164.9040, -79.1790, -13.2830

Conversions

Conversions Part 2

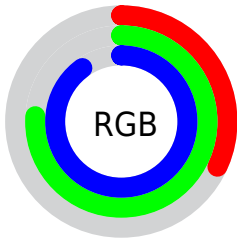
Format	Color
R _Y B	81, 146, 230
Decimal	5358566
CIE Lab	73.86, -21.63, -26.93
CIE LCh	74, 34.546, 231.226
Yxy	46.4927, 0.2246, 0.2808
Android (android.graphics.Color)	4283548646 (0xFF51C3E6)
YUV	164.9040, 32.0923, -73.5838
Hunter-Lab	68.1856, -21.9630, -23.4651

Details

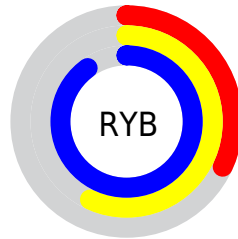
The XYZ color **37.1914, 46.4927, 81.8767** is a light color, and the websafe version is hex **33CCFF**. The color can be described as light muted cyan. A complement of this color would be **40.3653, 29.9099, 11.4321**, and the grayscale version is **35.5983, 37.4521, 40.7854**.

A 20% lighter version of the original color is **64.5375, 82.8605, 107.1999**, and **17.1649, 22.1057, 43.4066** is the 20% darker color. If you saturate the color by 10%, you get **34.3555, 43.2669, 81.4044**, and if you desaturate by 10%, it is **40.7414, 50.1535, 82.3971**.

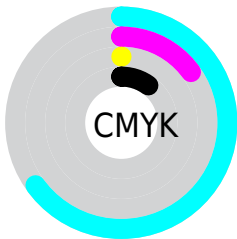
Distribution



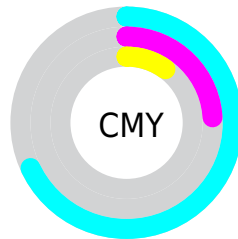
- Red (32%)
- Green (76%)
- Blue (90%)



- Red (32%)
- Yellow (57%)
- Blue (90%)



- Cyan (65%)
- Magenta (15%)
- Yellow (0%)
- Black (10%)



- Cyan (68%)
- Magenta (24%)
- Yellow (10%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 37.1914, 46.4927, 81.8767 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 37.1914, 46.4927, 81.8767 by changing the saturation by 10% instead.

37.1914, 46.4927,
81.8767

37.1914, 46.4927,
81.8767

325.4796,
372.7859, 521.1078

25.5301, 32.6348,
60.7287

70.1790, 84.9559,
137.8362

16.6032, 21.8468,
43.5771

92.2359, 110.3300,
173.4848

10.0456, 13.7444,
30.0034

118.4888,
140.3115, 214.8040

5.4917, 7.9431,
19.5891

149.3030,
175.2850, 262.2123

2.5762, 4.0586,
11.9156

185.0438,
215.6348, 316.1283

0.9339, 1.7064,
6.5644

226.0766,

0.0000, 0.4278,

261.7453, 376.9705

3.1169

272.7668,
314.0009, 445.1575

■ 0.0000, 0.0000,
1.1546

■ 0.0000, 0.0000,
0.0000

■ 37.1914, 46.4927,
81.8767

■ 37.1914, 46.4927,
81.8767

■ 34.3555, 43.2669,
81.4044

■ 40.7414, 50.1535,
82.3971

■ 32.1580, 40.4337,
80.9734

■ 45.0620, 54.2763,
82.9651

■ 30.5138, 37.9493,
80.5805

■ 50.2092, 58.8916,
83.5847

■ 29.8032, 36.7535,
80.3871

■ 56.2322, 64.0254,
84.2582

■ 63.1762, 69.7016,
84.9878

■ 71.0834, 75.9426,
85.7757

■ 79.9930, 82.7694,
86.6238

■ 86.1631, 88.2533,
87.3571

■ 87.7618, 91.4507,
87.8900

Harmonies

Analogous

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



34.0595, 46.4927, 63.8985



37.1914, 46.4927, 81.8767



42.4109, 46.4927, 92.0037

Triad

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



37.1914, 46.4927, 81.8767



56.9352, 46.4927, 55.9653



40.0460, 46.4927, 25.1643

Complementary

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



37.1914, 46.4927, 81.8767



40.3653, 29.9099, 11.4321

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.



46.0180, 46.4927, 23.9901



37.1914, 46.4927, 81.8767



56.1529, 46.4927, 39.3261

Square

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



37.1914, 46.4927, 81.8767



54.0635, 46.4927, 74.9270



52.0155, 46.4927, 28.5465



35.5982, 46.4927, 32.2402

Rectangle

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



37.1914, 46.4927, 81.8767



46.5319, 46.4927, 91.6294



52.0155, 46.4927, 28.5465



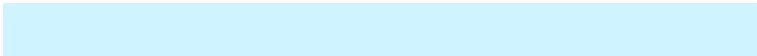
41.9278, 46.4927, 24.1434

Sweetspot

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



37.1929, 46.4944, 81.8778



75.8927, 84.8930, 106.9938



34.8305, 59.5997, 26.1223



15.7096, 17.7323, 22.8446



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.



37.1929, 46.4944, 81.8778



42.3102, 53.3111, 102.6678



24.4831, 21.0747, 77.6412



14.5054, 15.7323, 18.4164



16.9709, 21.0038, 45.5429



1.3237, 1.6914, 3.3887

Inverse Universe

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



45.4272, 26.6496, 54.3810



54.0784, 28.6658, 62.5369



52.5910, 54.3614, 15.5073



14.8427, 14.5543, 17.3721



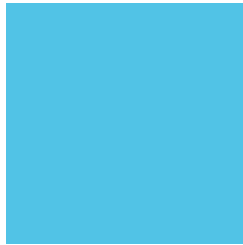
22.9596, 11.3181, 24.4800



1.7318, 0.8504, 1.9941

Previews

White Background



This preview shows how the XYZ color 37.1914, 46.4927, 81.8767 looks on a white background.

Color Contrast Check

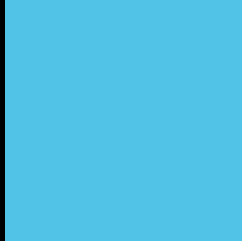
Large Text (above 18pt) WCAG AA × Fail

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 37.1914, 46.4927, 81.8767 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

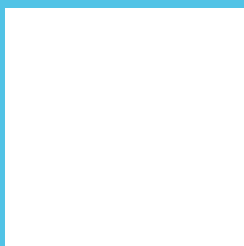
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 37.1914, 46.4927, 81.8767

Background



This preview shows how black text looks on a background with the XYZ color 37.1914, 46.4927, 81.8767.

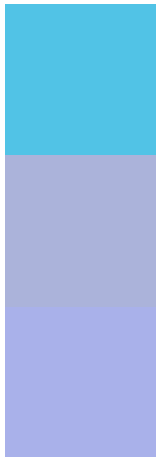


This preview shows how white text looks on a background with the XYZ color 37.1914, 46.4927,

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

37.1914, 46.4927, 81.8767

Protanopia

45.5696, 45.9601, 72.7991

Deuteranopia

46.9356, 45.8198, 84.2122



Tritanopia

35.0793, 46.6597, 70.7757

Trichromacy



Original Color

37.1914, 46.4927, 81.8767



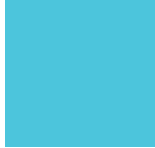
Protanomaly

41.0150, 45.3751, 75.7038



Deuteranomaly

42.1650, 45.4825, 83.6475



Tritanomaly

35.8650, 46.6363, 74.8216

Monochromacy



Original Color

37.1914, 46.4927, 81.8767



Achromatopsia

35.7637, 37.6262, 40.9749



Achromatomaly

34.5422, 39.7931, 54.0044

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.1914, 46.4927, 81.8767 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(81, 195, 230)` looks like.

```
.text, #text, p{  
    color:rgb(81, 195, 230)  
}
```

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(81, 195, 230) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(81, 195, 230) }
```

Border

The CSS property to change the border of an element to XYZ 37.1914, 46.4927, 81.8767 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(81, 195, 230) }
```


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

```
.border{ border-color:rgb(81, 195, 230) }
```

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

Here you see how a box with a 4 pixel `rgb(81, 195, 230)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(81, 195, 230); -webkit-box-  
shadow:4px 4px 4px 4px rgb(81, 195, 230);  
box-shadow:4px 4px 4px 4px rgb(81, 195,  
230) }
```

Background

The CSS property to change the background color of an element to XYZ 37.1914, 46.4927, 81.8767 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(81, 195, 230) }
```

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

```
.background{ background-color: rgb(81, 195,  
230) }
```

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