

Converting Colors

XYZ(18.7048, 17.4937, 64.4469)

Have a look what the booklet for
XYZ(18.7048, 17.4937, 64.4469)
contains.

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Color

**XYZ(18.7887, 17.5843,
64.6912)**

Conversions

Conversions Part 1

Format	Color
Hex	2274D4
RGB	34, 116, 212
RGB Percent	13%, 45%, 83%
CMY	0.8666, 0.5451, 0.1686
CMYK	0.84, 0.45, 0.00, 0.17
HSL	212°, 72%, 48%
HSV	212°, 84%, 83%
XYZ	18.7887, 17.5843, 64.6912
YIQ	102.4260, -79.6880, 12.4720

Conversions

Conversions Part 2

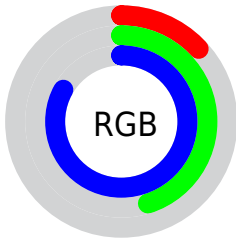
Format	Color
R _Y B	34, 90, 212
Decimal	2258132
CIE Lab	48.99, 11.15, -56.09
CIE LCh	49, 57.183, 281.239
Yxy	17.5843, 0.1859, 0.1740
Android (android.graphics.Color)	4280448212 (0xFF2274D4)
YUV	102.4260, 54.0200, -60.0096
Hunter-Lab	41.9336, 6.5945, -62.1134

Details

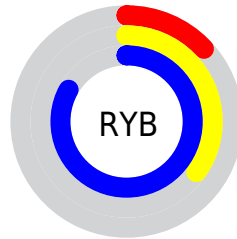
The XYZ color **18.7887, 17.5843, 64.6912** is a dark color, and the websafe version is hex **0066CC**. The color can be described as dark washed azure. A complement of this color would be **35.4255, 30.0827, 5.4541**, and the grayscale version is **12.6202, 13.2774, 14.4591**.

A 20% lighter version of the original color is **38.2991, 38.1724, 99.9572**, and **8.2139, 6.6906, 32.7568** is the 20% darker color. If you saturate the color by 10%, you get **17.0545, 14.8526, 64.2557**, and if you desaturate by 10%, it is **21.1170, 20.8634, 65.2018**.

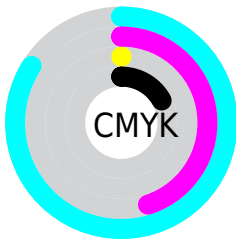
Distribution



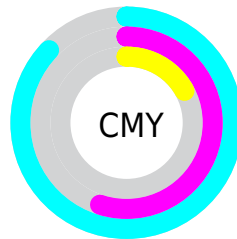
- Red (13%)
- Green (45%)
- Blue (83%)



- Red (13%)
- Yellow (35%)
- Blue (83%)



- Cyan (84%)
- Magenta (45%)
- Yellow (0%)
- Black (17%)



- Cyan (87%)
- Magenta (55%)
- Yellow (17%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.7887, 17.5843, 64.6912 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 18.7887, 17.5843, 64.6912 by changing the saturation by 10% instead.

■ 18.7887, 17.5843,
64.6912

■ 18.7887, 17.5843,
64.6912

238.2403,
238.5174, 459.9572

■ 11.6208, 10.6520,
46.7610

■ 40.8964, 39.3277,
113.2148

■ 6.5564, 5.8333,
32.4937

■ 56.5669, 54.9075,
144.6453

■ 3.2301, 2.7440,
21.4710

■ 75.8023, 74.1387,
181.4129

■ 1.2766, 0.9996,
13.2741

■ 98.9679, 97.4055,
223.9362

■ 0.1656, 0.0000,
7.4846

■ 126.4292,
125.0923, 272.6337

■ 0.0000, 0.0000,
3.6840

158.5515,

■ 0.0000, 0.0000,

157.5837, 327.9241

1.4536

195.7001,
195.2639, 390.2257

■ 0.0000, 0.0000,
0.1830

■ 0.0000, 0.0000,
0.0000

■ 18.7887, 17.5843,
64.6912

■ 18.7887, 17.5843,
64.6912

■ 17.0545, 14.8526,
64.2557

■ 21.1170, 20.8634,
65.2018

■ 16.2190, 13.4239,
64.0240

■ 24.1114, 24.7349,
65.7913

■ 27.8347, 29.2392,
66.4645

■ 32.3411, 34.4117,
67.2253

■ 37.6791, 40.2847,
68.0776

■ 43.8931, 46.8881,
69.0247

■ 51.0240, 54.2495,
70.0697

■ 59.1102, 62.3953,
71.2158

■ 68.1876, 71.3501,
72.4659

Harmonies

Analogous

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



13.6328, 17.5843, 62.4758



18.7887, 17.5843, 64.6912



24.4093, 17.5843, 50.7307

Triad

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



18.7887, 17.5843, 64.6912



25.6521, 17.5843, 5.5945



8.7743, 17.5843, 11.1812

Complementary

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



18.7887, 17.5843, 64.6912



35.4255, 30.0827, 5.4541

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.



10.8333, 17.5843, 4.4805



18.7887, 17.5843, 64.6912



20.2262, 17.5843, 2.6422

Square

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



18.7887, 17.5843, 64.6912



28.8968, 17.5843, 13.9824



14.7967, 17.5843, 2.3853



8.5500, 17.5843, 25.4468

Rectangle

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



18.7887, 17.5843, 64.6912



27.3877, 17.5843, 36.9978



14.7967, 17.5843, 2.3853



9.2505, 17.5843, 8.2218

Sweetspot

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



18.7895, 17.5848, 64.6917



65.3536, 69.8385, 104.6434



28.1625, 49.0111, 28.7244



13.2513, 14.1697, 22.2865



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.



18.7895, 17.5848, 64.6917



24.4649, 20.0497, 97.1883



13.3294, 6.3487, 62.8107



12.2092, 12.9419, 15.7921



10.1106, 8.4830, 39.5576



0.6921, 0.6762, 2.4133

Inverse Universe

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



30.8765, 16.4032, 18.0619



44.4779, 22.5552, 18.9807



49.3051, 60.3344, 10.5618



12.6588, 12.5150, 14.1436



18.1622, 9.2012, 8.1583



1.1370, 0.5716, 0.7107

Previews

White Background



This preview shows how the XYZ color 18.7887, 17.5843, 64.6912 looks on a white background.

Color Contrast Check

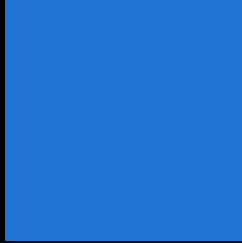
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 18.7887, 17.5843, 64.6912 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

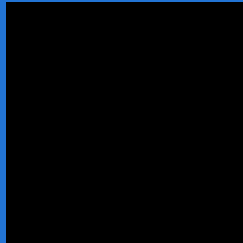
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

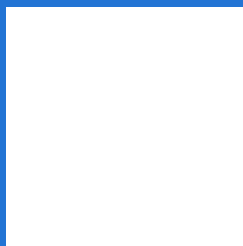
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 18.7887, 17.5843, 64.6912

Background



This preview shows how black text looks on a background with the XYZ color 18.7887, 17.5843, 64.6912.



This preview shows how white text looks on a background with the XYZ color 18.7887, 17.5843,

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

18.7887, 17.5843, 64.6912

Protanopia

19.6336, 17.4076, 61.9997

Deuteranopia

17.8636, 17.5109, 62.1129



Tritanopia

12.4377, 17.5355, 26.7739

Trichromacy



Original Color

18.7887, 17.5843, 64.6912

Protanomaly

19.0446, 17.2545, 62.6483

Deuteranomaly

18.0215, 17.4042, 62.7311

Tritanomaly

14.1508, 17.2101, 38.1734

Monochromacy



Original Color

18.7887, 17.5843, 64.6912

Achromatopsia

12.6291, 13.2868, 14.4694

Achromatomaly

13.2007, 14.0462, 27.6066

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.7887, 17.5843, 64.6912 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(34, 116, 212)` looks like.

```
.text, #text, p{  
    color:rgb(34, 116, 212)  
}
```

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(34, 116, 212) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(34, 116, 212) }
```

Border

The CSS property to change the border of an element to XYZ 18.7887, 17.5843, 64.6912 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(34, 116, 212) }
```


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

```
.border{ border-color:rgb(34, 116, 212) }
```

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

Here you see how a box with a 4 pixel `rgb(34, 116, 212)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(34, 116, 212); -webkit-box-  
shadow:4px 4px 4px 4px rgb(34, 116, 212);  
box-shadow:4px 4px 4px 4px rgb(34, 116,  
212) }
```

Background

The CSS property to change the background color of an element to XYZ 18.7887, 17.5843, 64.6912 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(34, 116, 212) }
```

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

```
.background{ background-color: rgb(34, 116,  
212) }
```

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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