

Converting Colors

XYZ(18.1157, 14.7746, 62.2186)

Have a look what the booklet for
XYZ(18.1157, 14.7746, 62.2186)
contains.

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Color

**XYZ(18.1157, 14.7746,
62.2186)**

Conversions

Conversions Part 1

Format	Color
Hex	3F64D1
RGB	63, 100, 209
RGB Percent	25%, 39%, 82%
CMY	0.7529, 0.6078, 0.1804
CMYK	0.70, 0.52, 0.00, 0.18
HSL	225°, 61%, 53%
HSV	225°, 70%, 82%
XYZ	18.1157, 14.7746, 62.2186
YIQ	101.3630, -57.0410, 26.0550

Conversions

Conversions Part 2

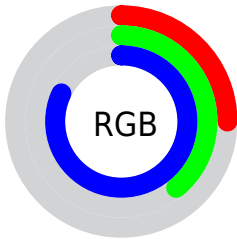
Format	Color
RYB	63, 93, 209
Decimal	4154577
CIELab	45.32, 23.42, -60.23
CIELCh	45, 64.626, 291.246
Yxy	14.7746, 0.1905, 0.1553
Android (android.graphics.Color)	4282344657 (0xFF3F64D1)
YUV	101.3630, 53.0650, -33.6444
Hunter-Lab	38.4377, 16.8610, -69.0654

Details

The XYZ color **18.1157, 14.7746, 62.2186** is a dark color, and the websafe version is hex **3366CC**. The color can be described as dark muted azure. A complement of this color would be **41.9463, 43.4227, 10.8745**, and the grayscale version is **12.3419, 12.9847, 14.1403**.

A 20% lighter version of the original color is **37.7087, 33.5447, 99.0951**, and **7.1519, 4.9714, 31.1545** is the 20% darker color. If you saturate the color by 10%, you get **15.6692, 11.5004, 61.7159**, and if you desaturate by 10%, it is **21.3567, 18.8840, 62.8413**.

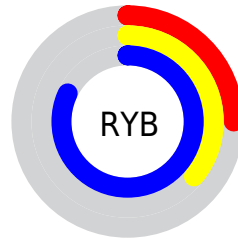
Distribution



Red (25%)

Green (39%)

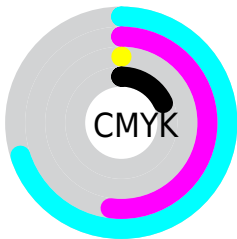
Blue (82%)



Red (25%)

Yellow (36%)

Blue (82%)

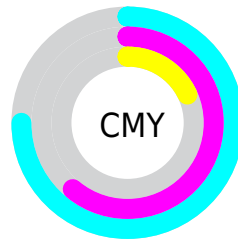


Cyan (70%)

Magenta (52%)

Yellow (0%)

Black (18%)



Cyan (75%)

Magenta (61%)

Yellow (18%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.1157, 14.7746, 62.2186 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 18.1157, 14.7746, 62.2186 by changing the saturation by 10% instead.

■ 18.1157, 14.7746,
62.2186

■ 18.1157, 14.7746,
62.2186

234.5554,
221.9979, 450.7577

■ 11.1333, 8.6613,
44.7724

■ 39.7629, 34.4573,
109.6161

■ 6.2245, 4.5210,
30.9366

■ 55.1584, 48.7955,
140.4044

■ 3.0240, 1.9690,
20.2925

■ 74.0890, 66.6441,
176.4773

■ 1.1665, 0.5894,
12.4217

■ 96.9200, 88.3876,
218.2532

■ 0.0797, 0.0000,
6.9055

■ 124.0168,
114.4104, 266.1506

■ 0.0000, 0.0000,
3.3255

155.7447,

■ 0.0000, 0.0000,

145.0967, 320.5881

1.2632

192.4691,
180.8311, 381.9843

■ 0.0000, 0.0000,
0.0313

■ 0.0000, 0.0000,
0.0000

■ 18.1157, 14.7746,
62.2186

■ 18.1157, 14.7746,
62.2186

■ 15.6692, 11.5004,
61.7159

■ 21.3567, 18.8840,
62.8413

■ 13.9378, 8.9959,
61.3238

■ 25.4564, 23.8841,
63.5904

■ 12.7942, 7.1688,
61.0314

■ 30.4748, 29.8266,
64.4729

■ 12.7799, 7.1458,
61.0277

■ 36.4654, 36.7586,
65.4952

■ 43.4777, 44.7242,
66.6631

■ 51.5575, 53.7645,
67.9822

■ 60.7480, 63.9183,
69.4577

■ 71.0898, 75.2226,
71.0946

■ 82.6215, 87.7124,
72.8975

Harmonies

Analogous

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



12.5328, 14.7746, 66.4021



18.1157, 14.7746, 62.2186



23.7041, 14.7746, 42.5194

Triad

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



18.1157, 14.7746, 62.2186



21.5277, 14.7746, 2.3058



6.1245, 14.7746, 12.0021

Complementary

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



18.1157, 14.7746, 62.2186



41.9463, 43.4227, 10.8745

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.



7.4445, 14.7746, 3.7855



18.1157, 14.7746, 62.2186



15.6695, 14.7746, 0.9981

Square

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



18.1157, 14.7746, 62.2186



25.9968, 14.7746, 7.5904



10.6313, 14.7746, 1.2818



6.4642, 14.7746, 29.3189

Rectangle

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



18.1157, 14.7746, 62.2186



26.2284, 14.7746, 27.5572



10.6313, 14.7746, 1.2818



6.3733, 14.7746, 8.3445

Sweetspot

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



18.1164, 14.7750, 62.2190



66.5638, 68.3104, 104.2847



32.1133, 49.5632, 45.9388



13.5683, 13.8525, 22.2086



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.



18.1164, 14.7750, 62.2190



23.0554, 15.8852, 96.4587



18.2243, 10.7049, 61.4277



11.4037, 11.8976, 14.9391



7.9469, 4.5404, 37.6500



0.5090, 0.3831, 2.1267

Inverse Universe

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



30.3729, 18.0315, 13.9364



44.0950, 23.6597, 13.0870



41.3629, 55.0667, 13.1528



11.9299, 11.8567, 12.9066



16.6419, 8.5296, 3.0207



0.9631, 0.4900, 0.3407

Previews

White Background



This preview shows how the XYZ color 18.1157, 14.7746, 62.2186 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 18.1157, 14.7746, 62.2186 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

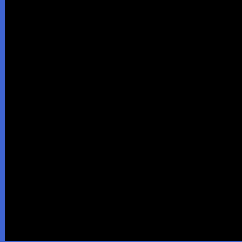
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 18.1157, 14.7746, 62.2186

Background



This preview shows how black text looks on a background with the XYZ color 18.1157, 14.7746, 62.2186.



This preview shows how white text looks on a background with the XYZ color 18.1157, 14.7746,

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

18.1157, 14.7746, 62.2186

Protanopia

17.4270, 14.8113, 64.2277

Deuteranopia

14.7629, 14.6550, 50.7658



Tritanopia

10.3092, 14.4892, 22.3320

Trichromacy



Original Color

18.1157, 14.7746, 62.2186

Protanomaly

17.5914, 14.7638, 63.5505

Deuteranomaly

15.5854, 14.5214, 54.8048

Tritanomaly

12.1236, 13.9854, 33.9588

Monochromacy



Original Color

18.1157, 14.7746, 62.2186

Achromatopsia

12.3695, 13.0136, 14.1719

Achromatomaly

13.3178, 13.2270, 26.6621

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.1157, 14.7746, 62.2186 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(63, 100, 209)` looks like.

```
.text, #text, p{  
    color:rgb(63, 100, 209)  
}
```

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(63, 100, 209) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(63, 100, 209) }
```

Border

The CSS property to change the border of an element to XYZ 18.1157, 14.7746, 62.2186 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(63, 100, 209) }
```


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

```
.border{ border-color:rgb(63, 100, 209) }
```

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

Here you see how a box with a 4 pixel `rgb(63, 100, 209)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(63, 100, 209); -webkit-box-  
shadow:4px 4px 4px 4px rgb(63, 100, 209);  
box-shadow:4px 4px 4px 4px rgb(63, 100,  
209) }
```

Background

The CSS property to change the background color of an element to XYZ 18.1157, 14.7746, 62.2186 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(63, 100, 209) }
```

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

```
.background{ background-color: rgb(63, 100,  
209) }
```

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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