

Converting Colors

XYZ(40.3646, 39.6521, 64.3716)

Have a look what the booklet for
XYZ(40.3646, 39.6521, 64.3716)
contains.

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Color

**XYZ(40.4158, 39.7768,
64.5790)**

Conversions

Conversions Part 1

Format	Color
Hex	A5A6CF
RGB	165, 166, 207
RGB Percent	65%, 65%, 81%
CMY	0.3529, 0.3490, 0.1882
CMYK	0.20, 0.20, 0.00, 0.19
HSL	239°, 30%, 73%
HSV	239°, 20%, 81%
XYZ	40.4158, 39.7768, 64.5790
YIQ	170.3750, -13.7570, 12.5390

Conversions

Conversions Part 2

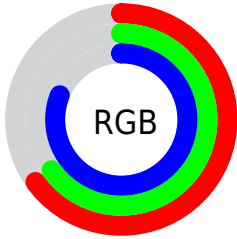
Format	Color
R _Y B	165, 166, 207
Decimal	10856143
CIE Lab	69.31, 8.27, -20.95
CIE LCh	69, 22.525, 291.544
Yxy	39.7768, 0.2792, 0.2748
Android (android.graphics.Color)	4289046223 (0xFFA5A6CF)
YUV	170.3750, 18.0561, -4.7139
Hunter-Lab	63.0689, 4.0159, -16.5615

Details

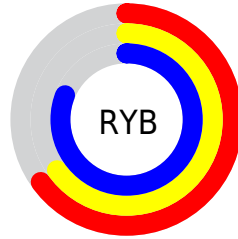
The XYZ color **40.4158, 39.7768, 64.5790** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **54.5954, 60.1247, 44.3262**, and the grayscale version is **38.3142, 40.3095, 43.8971**.

A 20% lighter version of the original color is **73.4217, 74.1485, 105.0501**, and **18.5771, 17.8452, 32.6023** is the 20% darker color. If you saturate the color by 10%, you get **33.0647, 30.9569, 63.2647**, and if you desaturate by 10%, it is **49.0434, 50.1134, 66.1201**.

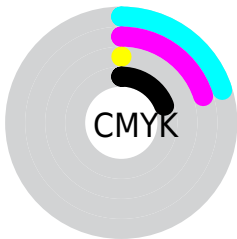
Distribution



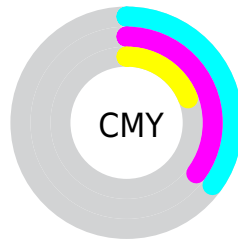
- Red (65%)
- Green (65%)
- Blue (81%)



- Red (65%)
- Yellow (65%)
- Blue (81%)



- Cyan (20%)
- Magenta (20%)
- Yellow (0%)
- Black (19%)



- Cyan (35%)
- Magenta (35%)
- Yellow (19%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 40.4158, 39.7768, 64.5790 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 40.4158, 39.7768, 64.5790 by changing the saturation by 10% instead.

■ 40.4158, 39.7768,
64.5790

■ 40.4158, 39.7768,
64.5790

338.9774,
345.1819, 459.5423

■ 28.0485, 27.3646,
46.6706

■ 75.0766, 74.8235,
113.0518

■ 18.5029, 17.8472,
32.4229

■ 98.1008, 98.2268,
144.4534

■ 11.4135, 10.8403,
21.4172

125.4081,
126.0625, 181.1897

■ 6.4150, 5.9596,
13.2351

157.3638,
158.7151, 223.6794

■ 3.1421, 2.8205,
7.4580

194.3332,
196.5689, 272.3409

■ 1.2293, 1.0388,
3.6674

236.6817,

■ 0.1293, 0.0000,

240.0084, 327.5929

1.4447

284.7747,
289.4180, 389.8538

■ 0.0000, 0.0000,
0.1762

■ 0.0000, 0.0000,
0.0000

■ 40.4158, 39.7768,
64.5790

■ 40.4158, 39.7768,
64.5790

■ 33.0647, 30.9569,
63.2647

■ 49.0434, 50.1134,
66.1201

■ 26.9260, 23.5777,
62.1639

■ 59.0000, 62.0282,
67.8951

■ 21.9357, 17.5644,
61.2662

■ 70.3398, 75.5851,
69.9142

■ 18.0224, 12.8329,
60.5592

■ 83.1130, 90.8432,
72.1861

■ 15.1067, 9.2904,
60.0291

■ 88.2626, 97.2850,
73.1581

■ 13.0986, 6.8312,
59.6603

■ 11.8914, 5.3313,
59.4344

■ 11.3162, 4.6122,
59.3259

Harmonies

Analogous

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



36.7942, 39.7768, 66.1233



40.4158, 39.7768, 64.5790



43.5125, 39.7768, 56.9006

Triad

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



40.4158, 39.7768, 64.5790



42.2942, 39.7768, 29.5225



31.3425, 39.7768, 40.4497

Complementary

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



40.4158, 39.7768, 64.5790



54.5954, 60.1247, 44.3262

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.



32.6228, 39.7768, 32.0768



40.4158, 39.7768, 64.5790



38.8375, 39.7768, 26.4596

Square

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



40.4158, 39.7768, 64.5790



44.6441, 39.7768, 36.4066



35.3123, 39.7768, 27.3138



31.7056, 39.7768, 51.0356

Rectangle

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



40.4158, 39.7768, 64.5790



44.7873, 39.7768, 49.9195



35.3123, 39.7768, 27.3138



31.5918, 39.7768, 37.3116

Sweetspot

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



40.4171, 39.7784, 64.5799



85.0626, 88.0511, 107.1200



48.9228, 57.0626, 66.5744



17.9846, 18.5805, 22.8885



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.



40.4171, 39.7784, 64.5799



59.8200, 57.8093, 102.6132



44.6298, 41.6810, 64.7251



11.1860, 11.4622, 14.8665



7.1394, 2.9254, 37.3809



0.4073, 0.1798, 2.0928

Inverse Universe

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



46.0712, 42.9300, 41.9363



70.3669, 63.7065, 60.3713



49.6967, 57.9583, 44.1663



11.8200, 11.8127, 12.3280



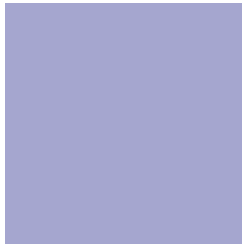
16.2344, 8.3666, 0.8745



0.9118, 0.4694, 0.0705

Previews

White Background



This preview shows how the XYZ color 40.4158, 39.7768, 64.5790 looks on a white background.

Color Contrast Check

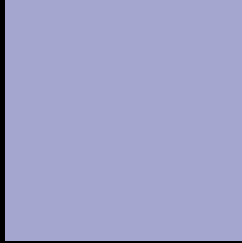
Large Text (above 18pt) WCAG AA × Fail

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 40.4158, 39.7768, 64.5790 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

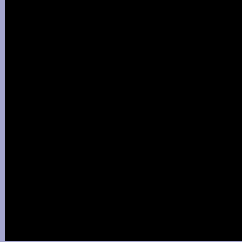
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 40.4158, 39.7768, 64.5790

Background



This preview shows how black text looks on a background with the XYZ color 40.4158, 39.7768, 64.5790.



This preview shows how white text looks on a background with the XYZ color 40.4158, 39.7768,

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

40.4158, 39.7768, 64.5790

Protanopia

39.7011, 39.6651, 65.2382

Deuteranopia

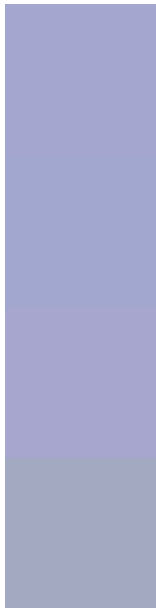
40.6246, 39.8844, 64.5888



Tritanopia

37.7244, 39.7872, 51.0388

Trichromacy



Original Color

40.4158, 39.7768, 64.5790

Protanomaly

40.1042, 39.8729, 65.2570

Deuteranomaly

40.6246, 39.8844, 64.5888

Tritanomaly

38.6027, 39.8631, 55.5289

Monochromacy



Original Color

40.4158, 39.7768, 64.5790

Achromatopsia

38.2080, 40.1978, 43.7754

Achromatomaly

38.8837, 40.1197, 50.4942

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.4158, 39.7768, 64.5790 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(165, 166, 207)` looks like.

```
.text, #text, p{  
    color:rgb(165, 166, 207)  
}
```

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(165, 166, 207) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(165, 166, 207) }
```

Border

The CSS property to change the border of an element to XYZ 40.4158, 39.7768, 64.5790 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(165, 166, 207) }
```


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

```
.border{ border-color:rgb(165, 166, 207) }
```

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

Here you see how a box with a 4 pixel `rgb(165, 166, 207)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(165, 166, 207); -webkit-box-  
shadow:4px 4px 4px 4px rgb(165, 166, 207);  
box-shadow:4px 4px 4px 4px rgb(165, 166,  
207) }
```

Background

The CSS property to change the background color of an element to XYZ 40.4158, 39.7768, 64.5790 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(165, 166, 207) }
```

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

```
.background{ background-color: rgb(165,  
166, 207) }
```

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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