

Converting Colors

XYZ(21.0402, 16.1186, 50.7175)

Have a look what the booklet for
XYZ(21.0402, 16.1186, 50.7175)
contains.

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Color

**XYZ(21.0402, 16.1186,
50.7175)**

Conversions

Conversions Part 1

Format	Color
Hex	7661BE
RGB	118, 97, 190
RGB Percent	46%, 38%, 75%
CMY	0.5372, 0.6196, 0.2549
CMYK	0.38, 0.49, 0.00, 0.25
HSL	254°, 42%, 56%
HSV	254°, 49%, 75%
XYZ	21.0402, 16.1186, 50.7175
YIQ	113.8810, -17.3370, 33.3750

Conversions

Conversions Part 2

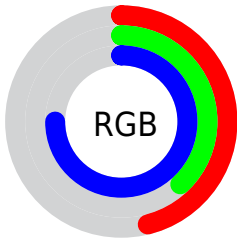
Format	Color
R_{YB}	118, 97, 190
Decimal	7758270
CIE _{Lab}	47.13, 30.35, -46.19
CIE _{LCh}	47, 55.271, 303.310
Yxy	16.1186, 0.2394, 0.1834
Android (android.graphics.Color)	4285948350 (0xFF7661BE)
YUV	113.8810, 37.5267, 3.6124
Hunter-Lab	40.1480, 23.2869, -46.7953

Details

The XYZ color **21.0402, 16.1186, 50.7175** is a dark color, and the websafe version is hex **6666CC**. A complement of this color would be **36.9332, 46.1251, 18.2660**, and the grayscale version is **15.8540, 16.6797, 18.1642**.

A 20% lighter version of the original color is **44.6120, 36.7794, 92.7435**, and **7.6989, 5.1488, 23.8806** is the 20% darker color. If you saturate the color by 10%, you get **17.6462, 12.0677, 50.1148**, and if you desaturate by 10%, it is **25.1675, 21.1720, 51.4757**.

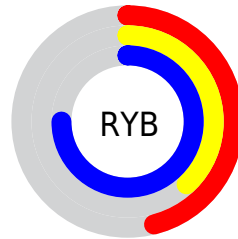
Distribution



Red (46%)

Green (38%)

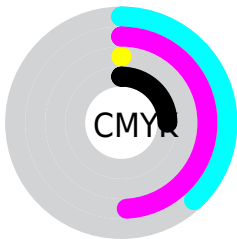
Blue (75%)



Red (46%)

Yellow (38%)

Blue (75%)

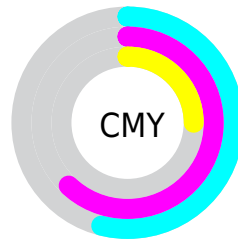


Cyan (38%)

Magenta (49%)

Yellow (0%)

Black (25%)



Cyan (54%)

Magenta (62%)

Yellow (25%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.0402, 16.1186, 50.7175 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 21.0402, 16.1186, 50.7175 by changing the saturation by 10% instead.

■ 21.0402, 16.1186,
50.7175

■ 21.0402, 16.1186,
50.7175

250.2197,
230.0405, 406.2804

■ 13.2660, 9.6081,
35.6087

■ 44.6452, 36.8040,
92.6443

■ 7.6902, 5.1399,
23.8448

■ 61.2067, 51.7477,
120.2993

■ 3.9475, 2.3296,
15.0074

■ 81.4281, 70.2712,
152.9735

■ 1.6725, 0.7893,
8.6779

■ 105.6746, 92.7590,
191.0853

■ 0.4390, 0.0000,
4.4378

134.3117,
119.5954, 235.0534

■ 0.0000, 0.0000,
1.8684

167.7047,

■ 0.0000, 0.0000,

151.1649, 285.2962

0.4725

206.2189,
187.8518, 342.2324

■ 0.0000, 0.0000,
0.0000

■ 21.0402, 16.1186,
50.7175

■ 21.0402, 16.1186,
50.7175

■ 17.6462, 12.0677,
50.1148

■ 25.1675, 21.1720,
51.4757

■ 14.9385, 8.9492,
49.6556

■ 30.0670, 27.2882,
52.3980

■ 12.8677, 6.6863,
49.3279

■ 35.7772, 34.5246,
53.4938

■ 11.3760, 5.1890,
49.1175

■ 42.3334, 42.9339,
54.7714

■ 10.3745, 4.3068,
49.0001

■ 49.7687, 52.5655,
56.2386

■ 10.2868, 4.2293,
48.9897

■ 58.1146, 63.4660,
57.9028

■ 67.4008, 75.6795,
59.7708

■ 77.6557, 89.2480,
61.8492

■ 84.6174, 95.6332,
62.7148

Harmonies

Analogous

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



15.8656, 16.1186, 60.0600



21.0402, 16.1186, 50.7175



25.2663, 16.1186, 32.5065

Triad

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



21.0402, 16.1186, 50.7175



19.9076, 16.1186, 2.8615



7.7625, 16.1186, 19.1399

Complementary

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



21.0402, 16.1186, 50.7175



36.9332, 46.1251, 18.2660

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.



8.4015, 16.1186, 8.0723



21.0402, 16.1186, 50.7175



14.7875, 16.1186, 2.1036

Square

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



21.0402, 16.1186, 50.7175



24.5213, 16.1186, 6.5816



10.7441, 16.1186, 3.3474



8.7679, 16.1186, 36.7084

Rectangle

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



21.0402, 16.1186, 50.7175



26.5885, 16.1186, 20.8529



10.7441, 16.1186, 3.3474



7.7930, 16.1186, 14.6164

Sweetspot

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



21.0409, 16.1192, 50.7179



69.0515, 67.9547, 97.7563



28.5710, 34.9527, 53.9563



14.6234, 14.2319, 21.3616



92.9021, 97.7402, 106.4391



19.4759, 20.4902, 22.3138

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



21.0409, 16.1192, 50.7179



31.4272, 21.2237, 90.7193



28.8070, 20.1228, 51.0813



9.2127, 9.3265, 11.9868



6.8974, 2.8418, 32.5779



0.3286, 0.1414, 1.2788

Inverse Universe

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



32.6715, 22.3614, 40.1295



55.3631, 34.1009, 67.5458



28.7900, 41.9272, 17.8850



9.8352, 9.6584, 11.5214



17.6577, 8.6942, 19.2887



0.7148, 0.3498, 0.8772

Previews

White Background



This preview shows how the XYZ color 21.0402, 16.1186, 50.7175 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 21.0402, 16.1186, 50.7175 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 21.0402, 16.1186, 50.7175

Background



This preview shows how black text looks on a background with the XYZ color 21.0402, 16.1186, 50.7175.



This preview shows how white text looks on a background with the XYZ color 21.0402, 16.1186,

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

21.0402, 16.1186, 50.7175

Protanopia

18.3260, 16.3476, 57.4479

Deuteranopia

16.7992, 16.3902, 49.2919



Tritanopia

15.0115, 16.0990, 20.7286

Trichromacy



Original Color

21.0402, 16.1186, 50.7175

Protanomaly

18.9674, 16.1128, 54.9337

Deuteranomaly

17.8145, 15.9401, 49.7148

Tritanomaly

16.7085, 15.8101, 29.7748

Monochromacy



Original Color

21.0402, 16.1186, 50.7175

Achromatopsia

15.9940, 16.8269, 18.3245

Achromatomaly

17.3153, 16.3230, 27.8292

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.0402, 16.1186, 50.7175 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(118, 97, 190)` looks like.

```
.text, #text, p{  
    color:rgb(118, 97, 190)  
}
```

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(118, 97, 190) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(118, 97, 190) }
```

Border

The CSS property to change the border of an element to XYZ 21.0402, 16.1186, 50.7175 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(118, 97, 190) }
```


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

```
.border{ border-color:rgb(118, 97, 190) }
```

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

Here you see how a box with a 4 pixel `rgb(118, 97, 190)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(118, 97, 190); -webkit-box-  
shadow:4px 4px 4px 4px rgb(118, 97, 190);  
box-shadow:4px 4px 4px 4px rgb(118, 97,  
190) }
```

Background

The CSS property to change the background color of an element to XYZ 21.0402, 16.1186, 50.7175 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(118, 97, 190) }
```

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

```
.background{ background-color: rgb(118, 97,  
190) }
```

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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