

Converting Colors

XYZ(21.1645, 15.8508, 48.3255)

Have a look what the booklet for
XYZ(21.1645, 15.8508, 48.3255)
contains.

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Color

**XYZ(21.1778, 15.8357,
48.3948)**

Conversions

Conversions Part 1

Format	Color
Hex	7C5EBA
RGB	124, 94, 186
RGB Percent	49%, 37%, 73%
CMY	0.5137, 0.6314, 0.2706
CMYK	0.33, 0.49, 0.00, 0.27
HSL	260°, 40%, 55%
HSV	260°, 49%, 73%
XYZ	21.1778, 15.8357, 48.3948
YIQ	113.4580, -11.6520, 34.9720

Conversions

Conversions Part 2

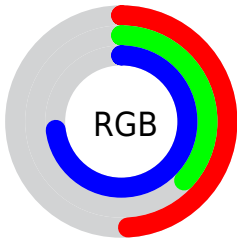
Format	Color
RYB	124, 94, 186
Decimal	8150714
CIELab	46.76, 32.61, -44.43
CIELCh	47, 55.112, 306.281
Yxy	15.8357, 0.2480, 0.1854
Android (android.graphics.Color)	4286340794 (0xFF7C5EBA)
YUV	113.4580, 35.7632, 9.2453
Hunter-Lab	39.7941, 25.3553, -44.2485

Details

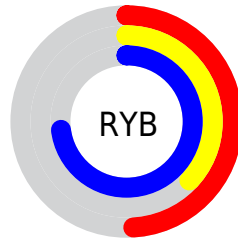
The XYZ color **21.1778, 15.8357, 48.3948** is a dark color, and the websafe version is hex **9966CC**. A complement of this color would be **33.2899, 42.9942, 17.1344**, and the grayscale version is **15.7321, 16.5514, 18.0244**.

A 20% lighter version of the original color is **44.8935, 36.3056, 89.4356**, and **7.7799, 5.0386, 22.3923** is the 20% darker color. If you saturate the color by 10%, you get **18.0210, 12.0420, 47.8292**, and if you desaturate by 10%, it is **24.9647, 20.5462, 49.1047**.

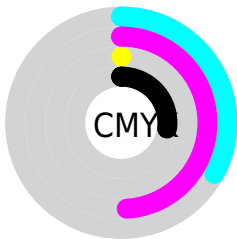
Distribution



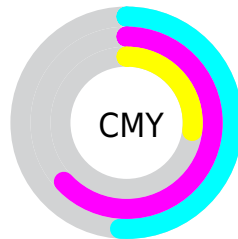
- Red (49%)
- Green (37%)
- Blue (73%)



- Red (49%)
- Yellow (37%)
- Blue (73%)



- Cyan (33%)
- Magenta (49%)
- Yellow (0%)
- Black (27%)



- Cyan (51%)
- Magenta (63%)
- Yellow (27%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.1778, 15.8357, 48.3948 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 21.1778, 15.8357, 48.3948 by changing the saturation by 10% instead.

■ 21.1778, 15.8357,
48.3948

■ 21.1778, 15.8357,
48.3948

250.9358,
228.3703, 396.9087

■ 13.3672, 9.4080,
33.7774

■ 44.8723, 36.3127,
89.1636

■ 7.7606, 5.0082,
22.4467

■ 61.4870, 51.1308,
116.1521

■ 3.9927, 2.2521,
13.9840

■ 81.7670, 69.5145,
148.1014

■ 1.6980, 0.7482,
7.9709

■ 106.0778, 91.8481,
185.4300

■ 0.4550, 0.0000,
3.9889

134.7847,
118.5161, 228.5565

■ 0.0000, 0.0000,
1.6192

168.2531,

■ 0.0000, 0.0000,

149.9029, 277.8994

0.3045

206.8484,
186.3928, 333.8773

■ 0.0000, 0.0000,
0.0000

■ 21.1778, 15.8357,
48.3948

■ 21.1778, 15.8357,
48.3948

■ 18.0210, 12.0420,
47.8292

■ 24.9647, 20.5462,
49.1047

■ 15.4546, 9.1008,
47.3968

■ 29.4140, 26.2285,
49.9670

■ 13.4371, 6.9418,
47.0864

■ 34.5583, 32.9351,
50.9904

■ 11.9197, 5.4820,
46.8846

■ 40.4271, 40.7142,
52.1826

■ 10.8187, 4.5695,
46.7665

■ 47.0482, 49.6109,
53.5509

■ 10.7662, 4.5263,
46.7609

■ 54.4478, 59.6677,
55.1020

■ 62.6511, 70.9247,
56.8425

■ 71.6819, 83.4204,
58.7784

■ 79.4861, 93.0378,
60.2234

Harmonies

Analogous

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



16.0804, 15.8357, 58.9270



21.1778, 15.8357, 48.3948



25.1424, 15.8357, 30.1599

Triad

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



21.1778, 15.8357, 48.3948



19.0634, 15.8357, 2.6209



7.6339, 15.8357, 20.2885

Complementary

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



21.1778, 15.8357, 48.3948



33.2899, 42.9942, 17.1344

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.



8.1023, 15.8357, 8.6675



21.1778, 15.8357, 48.3948



14.0671, 15.8357, 2.0751

Square

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



21.1778, 15.8357, 48.3948



23.7519, 15.8357, 5.8787



10.2375, 15.8357, 3.5306



8.7867, 15.8357, 38.0040

Rectangle

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



21.1778, 15.8357, 48.3948



26.2243, 15.8357, 19.0083



10.2375, 15.8357, 3.5306



7.6111, 15.8357, 15.5894

Sweetspot

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



21.1784, 15.8363, 48.3952



66.9571, 65.3951, 93.2949



25.5139, 29.9942, 50.8994



14.2603, 13.7603, 20.4470



90.7827, 95.5105, 104.0109



18.6292, 19.5994, 21.3438

Same Dimension

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



21.1784, 15.8363, 48.3952



32.3987, 21.5154, 86.6467



29.2569, 20.0009, 48.7732



8.7896, 8.8579, 11.3259



7.3141, 3.0817, 31.4624



0.3247, 0.1431, 1.1123

Inverse Universe

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



30.2535, 20.8453, 33.8817



51.1194, 31.8757, 55.4695



26.1185, 39.2972, 16.7988



9.2530, 9.1116, 10.6797



16.1642, 8.0395, 14.0176



0.5970, 0.2943, 0.6371

Previews

White Background



This preview shows how the XYZ color 21.1778, 15.8357, 48.3948 looks on a white background.

Color Contrast Check

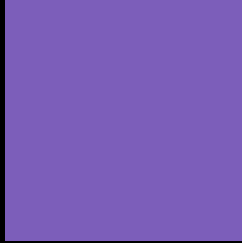
Large Text (above 18pt) WCAG AA ✓ Pass

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 21.1778, 15.8357, 48.3948 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

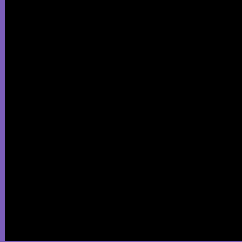
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 21.1778, 15.8357, 48.3948

Background



This preview shows how black text looks on a background with the XYZ color 21.1778, 15.8357, 48.3948.



This preview shows how white text looks on a background with the XYZ color 21.1778, 15.8357,

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

21.1778, 15.8357, 48.3948

Protanopia

17.9861, 16.0419, 56.1813

Deuteranopia

16.3747, 15.9045, 46.4628



Tritanopia

15.3361, 15.7988, 19.6939

Trichromacy



Original Color

21.1778, 15.8357, 48.3948

Protanomaly

18.6124, 15.6702, 53.0826

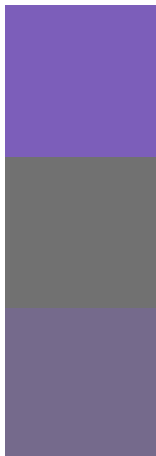
Deuteranomaly

17.5293, 15.5483, 46.8770

Tritanomaly

16.9785, 15.5286, 28.0891

Monochromacy



Original Color

21.1778, 15.8357, 48.3948

Achromatopsia

15.6958, 16.5132, 17.9829

Achromatomaly

17.2238, 15.9834, 26.9883

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.1778, 15.8357, 48.3948 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(124, 94, 186)` looks like.

```
.text, #text, p{  
    color:rgb(124, 94, 186)  
}
```

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(124, 94, 186) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(124, 94, 186) }
```

Border

The CSS property to change the border of an element to XYZ 21.1778, 15.8357, 48.3948 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(124, 94, 186) }
```


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

```
.border{ border-color:rgb(124, 94, 186) }
```

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

Here you see how a box with a 4 pixel rgb(124, 94, 186) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(124, 94, 186); -webkit-box-  
shadow:4px 4px 4px 4px rgb(124, 94, 186);  
box-shadow:4px 4px 4px 4px rgb(124, 94,  
186) }
```

Background

The CSS property to change the background color of an element to XYZ 21.1778, 15.8357, 48.3948 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(124, 94, 186) }
```

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

```
.background{ background-color: rgb(124, 94,  
186) }
```

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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