

Converting Colors

XYZ(21.1039, 18.3124, 38.3062)

Have a look what the booklet for
XYZ(21.1039, 18.3124, 38.3062)
contains.

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Color

**XYZ(21.2113, 18.4171,
38.5133)**

Conversions

Conversions Part 1

Format	Color
Hex	7F6EA6
RGB	127, 110, 166
RGB Percent	50%, 43%, 65%
CMY	0.5020, 0.5686, 0.3490
CMYK	0.23, 0.34, 0.00, 0.35
HSL	258°, 24%, 54%
HSV	258°, 34%, 65%
XYZ	21.2113, 18.4171, 38.5133
YIQ	121.4670, -7.8440, 21.0200

Conversions

Conversions Part 2

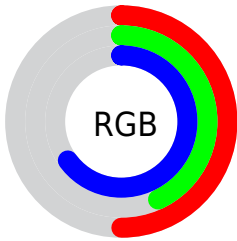
Format	Color
R_{YB}	127, 110, 166
Decimal	8351398
CIE _{Lab}	50.00, 18.81, -27.65
CIE _{LCh}	50, 33.442, 304.220
Yxy	18.4171, 0.2714, 0.2357
Android (android.graphics.Color)	4286541478 (0xFF7F6EA6)
YUV	121.4670, 21.9548, 4.8524
Hunter-Lab	42.9151, 13.1241, -23.1680

Details

The XYZ color **21.2113, 18.4171, 38.5133** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **28.8456, 34.7882, 19.9471**, and the grayscale version is **18.2586, 19.2094, 20.9191**.

A 20% lighter version of the original color is **45.0275, 40.8849, 73.9250**, and **7.7404, 6.1967, 16.7077** is the 20% darker color. If you saturate the color by 10%, you get **17.9612, 14.3276, 37.8956**, and if you desaturate by 10%, it is **24.9958, 23.2810, 39.2530**.

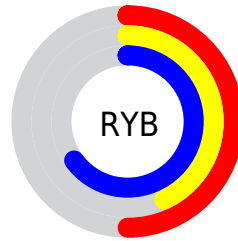
Distribution



Red (50%)

Green (43%)

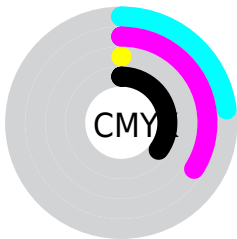
Blue (65%)



Red (50%)

Yellow (43%)

Blue (65%)

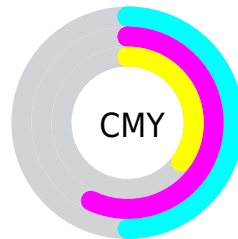


Cyan (23%)

Magenta (34%)

Yellow (0%)

Black (35%)



Cyan (50%)

Magenta (57%)

Yellow (35%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.2113, 18.4171, 38.5133 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 21.2113, 18.4171, 38.5133 by changing the saturation by 10% instead.

■ 21.2113, 18.4171,
38.5133

■ 21.2113, 18.4171,
38.5133

251.1098,
243.2116, 355.1808

■ 13.3919, 11.2499,
26.0764

■ 44.9276, 40.7468,
74.1063

■ 7.7778, 6.2352,
16.6545

■ 61.5551, 56.6780,
98.0996

■ 4.0037, 2.9886,
9.8291

■ 81.8494, 76.2994,
126.7820

■ 1.7042, 1.1258,
5.1817

■ 106.1759, 99.9952,
160.5721

■ 0.4589, 0.0000,
2.2937

134.8998,
128.1500, 199.8885

■ 0.0000, 0.0000,
0.7277

168.3865,

■ 0.0000, 0.0000,

161.1480, 245.1498

0.0000

207.0014,
199.3738, 296.7743

■ 21.2113, 18.4171,
38.5133

■ 21.2113, 18.4171,
38.5133

■ 17.9612, 14.3276,
37.8956

■ 24.9958, 23.2810,
39.2530

■ 15.2182, 10.9693,
37.3919

■ 29.3364, 28.9549,
40.1194

■ 12.9551, 8.2980,
36.9956

■ 34.2559, 35.4749,
41.1186

■ 11.1417, 6.2638,
36.6985

■ 39.7753, 42.8744,
42.2559

■ 9.7433, 4.8096,
36.4915

■ 45.9144, 51.1846,
43.5364

■ 8.7198, 3.8678,
36.3637

■ 52.6922, 60.4356,
44.9648

■ 8.2179, 3.4413,
36.3078

■ 60.1267, 70.6559,
46.5456

■ 68.2352, 81.8726,
48.2833

■ 75.6138, 91.2703,
49.7084

Harmonies

Analogous

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



17.9631, 18.4171, 43.3585



21.2113, 18.4171, 38.5133



23.6732, 18.4171, 28.7673

Triad

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



21.2113, 18.4171, 38.5133



20.3295, 18.4171, 7.9740



12.0418, 18.4171, 21.3825

Complementary

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



21.2113, 18.4171, 38.5133



28.8456, 34.7882, 19.9471

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.



12.5135, 18.4171, 13.3046



21.2113, 18.4171, 38.5133



17.0545, 18.4171, 7.0837

Square

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



21.2113, 18.4171, 38.5133



23.1219, 18.4171, 11.6629



14.2576, 18.4171, 8.6985



12.8803, 18.4171, 31.7300

Rectangle

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



21.2113, 18.4171, 38.5133



24.3934, 18.4171, 21.8868



14.2576, 18.4171, 8.6985



12.0532, 18.4171, 18.3247

Sweetspot

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



21.2119, 18.4178, 38.5137



56.2876, 56.5691, 73.4275



24.0931, 27.6270, 40.1394



12.3328, 12.3111, 16.3784



80.6108, 84.8088, 92.3568



14.7206, 15.4872, 16.8656

Same Dimension

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



21.2119, 18.4178, 38.5137



34.2631, 28.0802, 69.0894



25.9386, 20.8545, 38.7349



7.3380, 7.4068, 9.4613



6.4151, 2.6905, 28.1567



0.2074, 0.0919, 0.6875

Inverse Universe

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



26.7272, 21.4295, 31.1619



45.8717, 34.4286, 53.1898



24.3645, 32.4781, 19.7374



7.7435, 7.6272, 8.9662



14.6429, 7.2659, 13.4631



0.3774, 0.1852, 0.4387

Previews

White Background



This preview shows how the XYZ color 21.2113, 18.4171, 38.5133 looks on a white 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

Black Background



This preview shows how the XYZ color 21.2113, 18.4171, 38.5133 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 21.2113, 18.4171, 38.5133

Background



This preview shows how black text looks on a background with the XYZ color 21.2113, 18.4171, 38.5133.



This preview shows how white text looks on a background with the XYZ color 21.2113, 18.4171,

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

21.2113, 18.4171, 38.5133

Protanopia

19.1745, 18.4678, 41.5838

Deuteranopia

18.8882, 18.5803, 37.7128



Tritanopia

18.0549, 18.4822, 22.6945

Trichromacy



Original Color

21.2113, 18.4171, 38.5133

Protanomaly

19.7034, 18.2519, 40.5147

Deuteranomaly

19.6044, 18.4228, 38.1200

Tritanomaly

19.1068, 18.3955, 27.7430

Monochromacy



Original Color

21.2113, 18.4171, 38.5133

Achromatopsia

18.1737, 19.1202, 20.8219

Achromatomaly

19.0450, 18.7397, 26.2802

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.2113, 18.4171, 38.5133 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(127, 110, 166)` looks like.

```
.text, #text, p{  
    color:rgb(127, 110, 166)  
}
```

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(127, 110, 166) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(127, 110, 166) }
```

Border

The CSS property to change the border of an element to XYZ 21.2113, 18.4171, 38.5133 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(127, 110, 166) }
```


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

```
.border{ border-color:rgb(127, 110, 166) }
```

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

Here you see how a box with a 4 pixel `rgb(127, 110, 166)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(127, 110, 166); -webkit-box-  
shadow:4px 4px 4px 4px rgb(127, 110, 166);  
box-shadow:4px 4px 4px 4px rgb(127, 110,  
166) }
```

Background

The CSS property to change the background color of an element to XYZ 21.2113, 18.4171, 38.5133 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(127, 110, 166) }
```

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

```
.background{ background-color: rgb(127,  
110, 166) }
```

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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