

Converting Colors

XYZ(20.1482, 18.4187, 37.9346)

Have a look what the booklet for
XYZ(20.1482, 18.4187, 37.9346)
contains.

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Color

**XYZ(20.1679, 18.3784,
38.0817)**

Conversions

Conversions Part 1

Format	Color
Hex	7671A5
RGB	118, 113, 165
RGB Percent	46%, 44%, 65%
CMY	0.5372, 0.5569, 0.3529
CMYK	0.28, 0.32, 0.00, 0.35
HSL	246°, 22%, 55%
HSV	246°, 32%, 65%
XYZ	20.1679, 18.3784, 38.0817
YIQ	120.4230, -13.7120, 17.2320

Conversions

Conversions Part 2

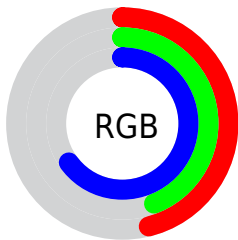
Format	Color
R_{YB}	118, 113, 165
Decimal	7762341
CIE _{Lab}	49.95, 13.95, -27.20
CIE _{LCh}	50, 30.570, 297.149
Yxy	18.3784, 0.2632, 0.2398
Android (android.graphics.Color)	4285952421 (0xFF7671A5)
YUV	120.4230, 21.9765, -2.1250
Hunter-Lab	42.8700, 8.9515, -22.6586

Details

The XYZ color **20.1679, 18.3784, 38.0817** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **30.9333, 35.5764, 20.8600**, and the grayscale version is **17.9235, 18.8569, 20.5351**.

A 20% lighter version of the original color is **43.1680, 40.7355, 73.2977**, and **7.2548, 6.2018, 16.4375** is the 20% darker color. If you saturate the color by 10%, you get **16.6242, 14.0632, 37.4359**, and if you desaturate by 10%, it is **24.3678, 23.5295, 38.8549**.

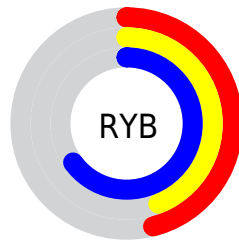
Distribution



Red (46%)

Green (44%)

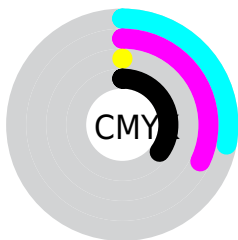
Blue (65%)



Red (46%)

Yellow (44%)

Blue (65%)

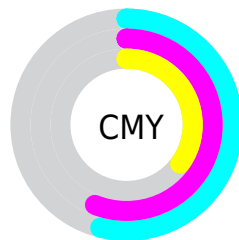


Cyan (28%)

Magenta (32%)

Yellow (0%)

Black (35%)



Cyan (54%)

Magenta (56%)

Yellow (35%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.1679, 18.3784, 38.0817 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 20.1679, 18.3784, 38.0817 by changing the saturation by 10% instead.

■ 20.1679, 18.3784,
38.0817

■ 20.1679, 18.3784,
38.0817

245.6389,
242.9953, 353.2790

■ 12.6261, 11.2220,
25.7438

■ 43.2003, 40.6811,
73.4382

■ 7.2468, 6.2164,
16.4080

■ 59.4216, 56.5961,
97.2938

■ 3.6646, 2.9771,
9.6559

■ 79.2669, 76.1995,
125.8257

■ 1.5142, 1.1198,
5.0688

■ 103.1013, 99.8756,
159.4525

■ 0.3355, 0.0000,
2.2282

131.2904,
128.0089, 198.5927

■ 0.0000, 0.0000,
0.6906

164.1995,

■ 0.0000, 0.0000,

160.9836, 243.6648

0.0000

202.1938,
199.1843, 295.0874

■ 20.1679, 18.3784,
38.0817

■ 20.1679, 18.3784,
38.0817

■ 16.6242, 14.0632,
37.4359

■ 24.3678, 23.5295,
38.8549

■ 13.7016, 10.5376,
36.9094

■ 29.2527, 29.5551,
39.7605

■ 11.3646, 7.7543,
36.4953

■ 34.8522, 36.4940,
40.8047

■ 9.5735, 5.6599,
36.1855

■ 41.1934, 44.3822,
41.9931

■ 8.2833, 4.1939,
35.9705

■ 48.3022, 53.2534,
43.3307

■ 7.4420, 3.2851,
35.8394

■ 56.2029, 63.1399,
44.8226

■ 7.0030, 2.8256,
35.7739

■ 64.9191, 74.0726,
46.4734

■ 74.4733, 86.0809,
48.2877

■ 82.7772, 94.9737,
49.5665

Harmonies

Analogous

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



17.1894, 18.3784, 40.8462



20.1679, 18.3784, 38.0817



22.6430, 18.3784, 30.1047

Triad

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



20.1679, 18.3784, 38.0817



20.7069, 18.3784, 9.2841



12.4225, 18.3784, 19.2190

Complementary

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



20.1679, 18.3784, 38.0817



30.9333, 35.5764, 20.8600

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.



13.1487, 18.3784, 12.4708



20.1679, 18.3784, 38.0817



17.7499, 18.3784, 7.8323

Square

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



20.1679, 18.3784, 38.0817



22.9778, 18.3784, 13.5128



15.0207, 18.3784, 8.8113



12.9181, 18.3784, 28.3160

Rectangle

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



20.1679, 18.3784, 38.0817



23.5586, 18.3784, 23.8194



15.0207, 18.3784, 8.8113



12.5297, 18.3784, 16.6317

Sweetspot

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



20.1685, 18.3791, 38.0821



54.6281, 55.7006, 71.6244



26.2887, 31.6011, 40.3117



11.6517, 11.8170, 15.6043



78.6606, 82.7571, 90.1225



14.0027, 14.7319, 16.0430

Same Dimension

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



20.1685, 18.3791, 38.0821



31.4458, 27.2172, 67.3484



24.0827, 20.3969, 38.2653



6.7607, 6.8910, 8.8768



5.3186, 2.1483, 27.0641



0.1294, 0.0543, 0.5695

Inverse Universe

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



27.7677, 22.3482, 36.1079



47.3366, 35.5221, 62.9917



26.3744, 33.2262, 20.6467



7.3348, 7.1904, 8.7496



15.8609, 7.7004, 22.2557



0.3412, 0.1650, 0.5093

Previews

White Background



This preview shows how the XYZ color 20.1679, 18.3784, 38.0817 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 20.1679, 18.3784, 38.0817 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

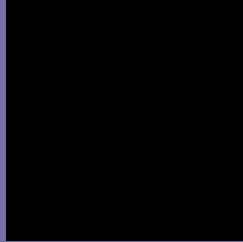
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 20.1679, 18.3784, 38.0817

Background



This preview shows how black text looks on a background with the XYZ color 20.1679, 18.3784, 38.0817.



This preview shows how white text looks on a background with the XYZ color 20.1679, 18.3784,

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

20.1679, 18.3784, 38.0817

Protanopia

19.0227, 18.4333, 39.6012

Deuteranopia

18.7710, 18.3460, 37.6737



Tritanopia

17.2345, 18.3974, 23.4116

Trichromacy



Original Color

20.1679, 18.3784, 38.0817

Protanomaly

19.4048, 18.4689, 39.1013

Deuteranomaly

19.2529, 18.4223, 37.6631

Tritanomaly

18.1832, 18.2530, 28.1560

Monochromacy



Original Color

20.1679, 18.3784, 38.0817

Achromatopsia

17.8524, 18.7821, 20.4537

Achromatomaly

18.4130, 18.4221, 25.8779

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.1679, 18.3784, 38.0817 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, 113, 165)` looks like.

```
.text, #text, p{  
    color:rgb(118, 113, 165)  
}
```

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, 113, 165) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(118, 113, 165) }
```

Border

The CSS property to change the border of an element to XYZ 20.1679, 18.3784, 38.0817 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, 113, 165) }
```


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

```
.border{ border-color:rgb(118, 113, 165) }
```

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

Here you see how a box with a 4 pixel `rgb(118, 113, 165)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(118, 113, 165); -webkit-box-  
shadow:4px 4px 4px 4px rgb(118, 113, 165);  
box-shadow:4px 4px 4px 4px rgb(118, 113,  
165) }
```

Background

The CSS property to change the background color of an element to XYZ 20.1679, 18.3784, 38.0817 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(118, 113, 165) }
```

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

```
.background{ background-color: rgb(118,  
113, 165) }
```

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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