

Converting Colors

XYZ(20.1454, 16.9389, 38.2841)

Have a look what the booklet for
XYZ(20.1454, 16.9389, 38.2841)
contains.

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Color

**XYZ(20.1454, 16.9389,
38.2841)**

Conversions

Conversions Part 1

Format	Color
Hex	7C68A6
RGB	124, 104, 166
RGB Percent	49%, 41%, 65%
CMY	0.5137, 0.5921, 0.3490
CMYK	0.25, 0.37, 0.00, 0.35
HSL	259°, 26%, 53%
HSV	259°, 37%, 65%
XYZ	20.1454, 16.9389, 38.2841
YIQ	117.0480, -7.9820, 23.5220

Conversions

Conversions Part 2

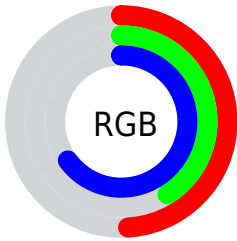
Format	Color
RYB	124, 104, 166
Decimal	8153254
CIELab	48.18, 21.46, -30.50
CIELCh	48, 37.296, 305.134
Yxy	16.9389, 0.2673, 0.2247
Android (android.graphics.Color)	4286343334 (0xFF7C68A6)
YUV	117.0480, 24.1333, 6.0969
Hunter-Lab	41.1569, 15.3473, -26.3417

Details

The XYZ color **20.1454, 16.9389, 38.2841** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **27.9894, 34.3833, 18.2588**, and the grayscale version is **16.8533, 17.7309, 19.3090**.

A 20% lighter version of the original color is **43.1326, 38.1281, 73.4927**, and **7.2480, 5.5576, 16.6103** is the 20% darker color. If you saturate the color by 10%, you get **17.1026, 13.1295, 37.7095**, and if you desaturate by 10%, it is **23.7036, 21.5030, 38.9778**.

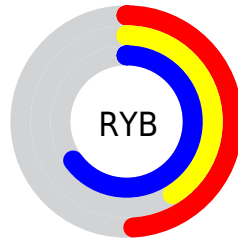
Distribution



Red (49%)

Green (41%)

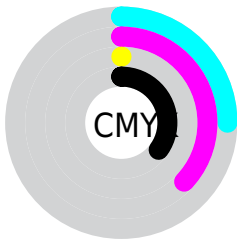
Blue (65%)



Red (49%)

Yellow (41%)

Blue (65%)

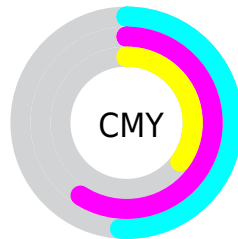


Cyan (25%)

Magenta (37%)

Yellow (0%)

Black (35%)



Cyan (51%)

Magenta (59%)

Yellow (35%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.1454, 16.9389, 38.2841 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 20.1454, 16.9389, 38.2841 by changing the saturation by 10% instead.

■ 20.1454, 16.9389,
38.2841

■ 20.1454, 16.9389,
38.2841

245.5198,
234.8200, 354.1718

■ 12.6097, 10.1909,
25.8997

■ 43.1629, 38.2207,
73.7516

■ 7.2354, 5.5257,
16.5235

■ 59.3754, 53.5233,
97.6719

■ 3.6574, 2.5589,
9.7370

■ 79.2108, 72.4463,
126.2744

■ 1.5102, 0.9061,
5.1216

■ 103.0346, 95.3740,
159.9779

■ 0.3328, 0.0000,
2.2588

131.2120,
122.6908, 199.2009

■ 0.0000, 0.0000,
0.7080

164.1084,

■ 0.0000, 0.0000,

154.7812, 244.3618

0.0000

202.0892,
192.0294, 295.8793

■ 20.1454, 16.9389,
38.2841

■ 20.1454, 16.9389,
38.2841

■ 17.1026, 13.1295,
37.7095

■ 23.7036, 21.5030,
38.9778

■ 14.5479, 10.0309,
37.2460

■ 27.7993, 26.8584,
39.7956

■ 12.4540, 7.5974,
36.8867

■ 32.4550, 33.0419,
40.7438

■ 10.7896, 5.7773,
36.6231

■ 37.6918, 40.0870,
41.8276

■ 9.5195, 4.5105,
36.4455

■ 43.5294, 48.0257,
43.0523

■ 8.5915, 3.7049,
36.3389

■ 49.9867, 56.8882,
44.4226

■ 8.3802, 3.5250,
36.3153

■ 57.0815, 66.7032,
45.9431

■ 64.8311, 77.4982,
47.6183

■ 73.2522, 89.2997,
49.4524

Harmonies

Analogous

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



16.6896, 16.9389, 43.9494



20.1454, 16.9389, 38.2841



22.7598, 16.9389, 27.4491

Triad

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



20.1454, 16.9389, 38.2841



18.9961, 16.9389, 6.1706



10.4464, 16.9389, 20.1631

Complementary

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



20.1454, 16.9389, 38.2841



27.9894, 34.3833, 18.2588

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.



10.8853, 16.9389, 11.6608



20.1454, 16.9389, 38.2841



15.5243, 16.9389, 5.4072

Square

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



20.1454, 16.9389, 38.2841



22.0337, 16.9389, 9.6587



12.6359, 16.9389, 7.0102



11.3403, 16.9389, 31.3915

Rectangle

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



20.1454, 16.9389, 38.2841



23.4984, 16.9389, 20.0712



12.6359, 16.9389, 7.0102



10.4444, 16.9389, 16.9064

Sweetspot

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



20.1460, 16.9396, 38.2845



55.5210, 55.4577, 73.2534



22.9279, 26.3678, 39.9577



12.1782, 12.0830, 16.3425



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.



20.1460, 16.9396, 38.2845



31.8165, 24.7894, 68.5832



25.2810, 19.5868, 38.5248



7.3512, 7.4136, 9.4619



6.5426, 2.7563, 28.1627



0.2122, 0.0944, 0.6877

Inverse Universe

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



25.8650, 20.0836, 29.7080



43.9504, 31.4726, 49.8161



23.2540, 31.9420, 18.0372



7.7374, 7.6248, 8.9344



14.5042, 7.2104, 12.7323



0.3747, 0.1842, 0.4249

Previews

White Background



This preview shows how the XYZ color 20.1454, 16.9389, 38.2841 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 20.1454, 16.9389, 38.2841 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

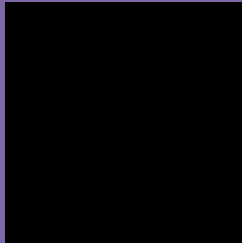
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 20.1454, 16.9389, 38.2841

Background



This preview shows how black text looks on a background with the XYZ color 20.1454, 16.9389, 38.2841.



This preview shows how white text looks on a background with the XYZ color 20.1454, 16.9389,

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

20.1454, 16.9389, 38.2841

Protanopia

17.8512, 16.9326, 41.8626

Deuteranopia

17.3253, 16.9235, 37.4754



Tritanopia

16.6204, 16.9284, 20.8039

Trichromacy



Original Color

20.1454, 16.9389, 38.2841

Protanomaly

18.4333, 16.7826, 40.2980

Deuteranomaly

18.3113, 16.9326, 37.9005

Tritanomaly

17.7711, 16.9088, 26.3718

Monochromacy



Original Color

20.1454, 16.9389, 38.2841

Achromatopsia

16.9083, 17.7888, 19.3720

Achromatomaly

17.9131, 17.3307, 25.3227

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.1454, 16.9389, 38.2841 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, 104, 166)` looks like.

```
.text, #text, p{  
    color:rgb(124, 104, 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(124, 104, 166) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(124, 104, 166) }
```

Border

The CSS property to change the border of an element to XYZ 20.1454, 16.9389, 38.2841 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, 104, 166) }
```


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

```
.border{ border-color:rgb(124, 104, 166) }
```

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

Here you see how a box with a 4 pixel rgb(124, 104, 166) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(124, 104, 166); -webkit-box-  
shadow:4px 4px 4px 4px rgb(124, 104, 166);  
box-shadow:4px 4px 4px 4px rgb(124, 104,  
166) }
```

Background

The CSS property to change the background color of an element to XYZ 20.1454, 16.9389, 38.2841 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(124, 104, 166) }
```

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

```
.background{ background-color: rgb(124,  
104, 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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