

Converting Colors

XYZ(20.8756, 19.0811, 36.9197)

Have a look what the booklet for
XYZ(20.8756, 19.0811, 36.9197)
contains.

XYZ(20.8207, 19.0811, 36.7681)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(20.8207, 19.0811,
36.7681)**

Conversions

Conversions Part 1

Format	Color
Hex	7B73A2
RGB	123, 115, 162
RGB Percent	48%, 45%, 64%
CMY	0.5176, 0.5490, 0.3647
CMYK	0.24, 0.29, 0.00, 0.36
HSL	250°, 20%, 54%
HSV	250°, 29%, 64%
XYZ	20.8207, 19.0811, 36.7681
YIQ	122.7500, -10.3190, 16.3130

Conversions

Conversions Part 2

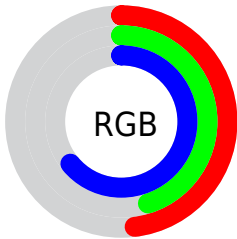
Format	Color
R_{YB}	123, 115, 162
Decimal	8090530
CIE _{Lab}	50.78, 13.56, -24.13
CIE _{LCh}	51, 27.678, 299.324
Yxy	19.0811, 0.2716, 0.2489
Android (android.graphics.Color)	4286280610 (0xFF7B73A2)
YUV	122.7500, 19.3502, 0.2193
Hunter-Lab	43.6819, 8.6375, -19.3284

Details

The XYZ color **20.8207, 19.0811, 36.7681** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **29.3419, 33.9490, 21.2269**, and the grayscale version is **18.6858, 19.6589, 21.4085**.

A 20% lighter version of the original color is **44.2476, 41.8773, 71.3967**, and **7.5693, 6.5566, 15.6185** is the 20% darker color. If you saturate the color by 10%, you get **17.3405, 14.7818, 36.1220**, and if you desaturate by 10%, it is **24.8909, 24.1674, 37.5356**.

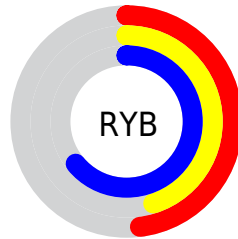
Distribution



Red (48%)

Green (45%)

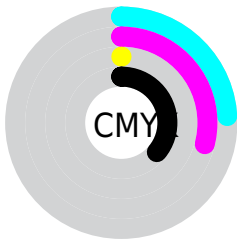
Blue (64%)



Red (48%)

Yellow (45%)

Blue (64%)

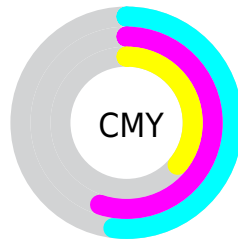


Cyan (24%)

Magenta (29%)

Yellow (0%)

Black (36%)



Cyan (52%)

Magenta (55%)

Yellow (36%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.8207, 19.0811, 36.7681 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 20.8207, 19.0811, 36.7681 by changing the saturation by 10% instead.

■ 20.8207, 19.0811,
36.7681

■ 20.8207, 19.0811,
36.7681

249.0739,
246.8961, 347.4438

■ 13.1047, 11.7289,
24.7336

■ 44.2825, 41.8711,
71.3983

■ 7.5782, 6.5594,
15.6615

■ 60.7590, 58.0777,
94.8311

■ 3.8758, 3.1881,
9.1332

■ 80.8863, 78.0045,
122.9005

■ 1.6321, 1.2307,
4.7302

■ 105.0299,
102.0360, 156.0248

■ 0.4132, 0.0866,
2.0339

133.5551,
130.5565, 194.6228

■ 0.0000, 0.0000,
0.5760

166.8273,

■ 0.0000, 0.0000,

163.9504, 239.1130

0.0000

205.2117,
202.6021, 289.9138

■ 20.8207, 19.0811,
36.7681

■ 20.8207, 19.0811,
36.7681

■ 17.3405, 14.7818,
36.1220

■ 24.8909, 24.1674,
37.5356

■ 14.4207, 11.2276,
35.5899

■ 29.5751, 30.0750,
38.4291

■ 12.0320, 8.3765,
35.1654

■ 34.8982, 36.8392,
39.4541

■ 10.1415, 6.1809,
34.8413

■ 40.8831, 44.4923,
40.6159

■ 8.7128, 4.5875,
34.6090

■ 47.5516, 53.0650,
41.9191

■ 7.7038, 3.5344,
34.4590

■ 54.9245, 62.5866,
43.3684

■ 7.0430, 2.9032,
34.3719

■ 63.0218, 73.0850,
44.9680

■ 6.9889, 2.8495,
34.3644

■ 71.8625, 84.5871,
46.7222

■ 79.5856, 93.3596,
48.0084

Harmonies

Analogous

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



18.0744, 19.0811, 39.6475



20.8207, 19.0811, 36.7681



23.0179, 19.0811, 29.3958

Triad

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



20.8207, 19.0811, 36.7681



20.9381, 19.0811, 10.3705



13.3917, 19.0811, 20.5998

Complementary

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



20.8207, 19.0811, 36.7681



29.3419, 33.9490, 21.2269

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.



13.9984, 19.0811, 14.0312



20.8207, 19.0811, 36.7681



18.1978, 19.0811, 9.1069

Square

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



20.8207, 19.0811, 36.7681



23.0903, 19.0811, 14.2683



15.6926, 19.0811, 10.2596



13.9465, 19.0811, 29.0116

Rectangle

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



20.8207, 19.0811, 36.7681



23.7781, 19.0811, 23.6772



15.6926, 19.0811, 10.2596



13.4655, 19.0811, 18.1222

Sweetspot

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



20.8213, 19.0819, 36.7685



53.5458, 54.4146, 69.7370



25.1756, 29.4203, 38.5346



11.7445, 11.8649, 15.6087



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.



20.8213, 19.0819, 36.7685



33.4777, 29.2915, 65.9455



24.5664, 21.0125, 36.9438



6.8076, 6.9152, 8.8790



5.5323, 2.2585, 27.0741



0.1460, 0.0628, 0.5703

Inverse Universe

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



26.8644, 22.2767, 33.4566



46.3916, 36.1251, 58.5864



25.3240, 31.8777, 21.0388



7.3123, 7.1814, 8.6311



15.1663, 7.4226, 18.5980



0.3315, 0.1611, 0.4586

Previews

White Background



This preview shows how the XYZ color 20.8207, 19.0811, 36.7681 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 20.8207, 19.0811, 36.7681 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

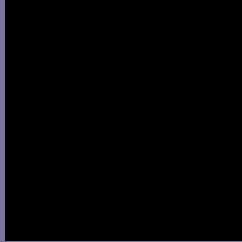
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 20.8207, 19.0811, 36.7681

Background



This preview shows how black text looks on a background with the XYZ color 20.8207, 19.0811, 36.7681.



This preview shows how white text looks on a background with the XYZ color 20.8207, 19.0811,

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

20.8207, 19.0811, 36.7681

Protanopia

19.4518, 19.0361, 38.2464

Deuteranopia

19.4603, 19.0819, 36.3757



Tritanopia

18.2702, 19.0953, 24.1956

Trichromacy



Original Color

20.8207, 19.0811, 36.7681

Protanomaly

19.9893, 19.1479, 37.7643

Deuteranomaly

19.9817, 19.1749, 36.3662

Tritanomaly

19.0871, 19.0686, 28.2658

Monochromacy



Original Color

20.8207, 19.0811, 36.7681

Achromatopsia

18.8265, 19.8069, 21.5697

Achromatomaly

19.4002, 19.4500, 26.3986

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.8207, 19.0811, 36.7681 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(123, 115, 162)` looks like.

```
.text, #text, p{  
    color:rgb(123, 115, 162)  
}
```

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(123, 115, 162) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(123, 115, 162) }
```

Border

The CSS property to change the border of an element to XYZ 20.8207, 19.0811, 36.7681 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(123, 115, 162) }
```


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

```
.border{ border-color:rgb(123, 115, 162) }
```

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

Here you see how a box with a 4 pixel `rgb(123, 115, 162)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(123, 115, 162); -webkit-box-  
shadow:4px 4px 4px 4px rgb(123, 115, 162);  
box-shadow:4px 4px 4px 4px rgb(123, 115,  
162) }
```

Background

The CSS property to change the background color of an element to XYZ 20.8207, 19.0811, 36.7681 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(123, 115, 162) }
```

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

```
.background{ background-color: rgb(123,  
115, 162) }
```

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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