

Converting Colors

XYZ(30.2398, 20.2241, 38.9126)

Have a look what the booklet for
XYZ(30.2398, 20.2241, 38.9126)
contains.

XYZ(30.1597, 20.1696, 38.8628)	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(30.1597, 20.1696,
38.8628)**

Conversions

Conversions Part 1

Format	Color
Hex	B75AA7
RGB	183, 90, 167
RGB Percent	72%, 35%, 65%
CMY	0.2823, 0.6470, 0.3451
CMYK	0.00, 0.51, 0.09, 0.28
HSL	310°, 39%, 54%
HSV	310°, 51%, 72%
XYZ	30.1597, 20.1696, 38.8628
YIQ	126.5850, 30.7110, 43.6630

Conversions

Conversions Part 2

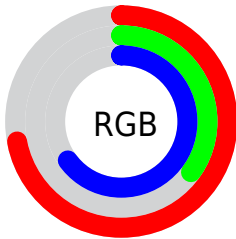
Format	Color
R_{YB}	183, 90, 167
Decimal	12016295
CIE _{Lab}	52.03, 47.81, -24.58
CIE _{LCh}	52, 53.757, 332.792
Yxy	20.1696, 0.3381, 0.2261
Android (android.graphics.Color)	4290206375 (0xFFB75AA7)
YUV	126.5850, 19.9246, 49.4760
Hunter-Lab	44.9106, 41.2782, -19.8684

Details

The XYZ color **30.1597, 20.1696, 38.8628** is a dark color, and the websafe version is hex **CC66CC**. A complement of this color would be **23.7524, 37.0820, 19.5427**, and the grayscale version is **19.9580, 20.9973, 22.8661**.

A 20% lighter version of the original color is **59.2829, 43.6196, 74.4021**, and **12.6582, 7.1501, 16.9326** is the 20% darker color. If you saturate the color by 10%, you get **28.5145, 17.3390, 36.8958**, and if you desaturate by 10%, it is **32.1933, 23.7648, 40.9946**.

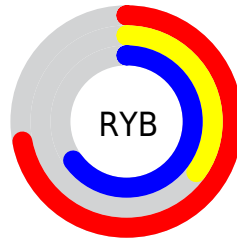
Distribution



Red (72%)

Green (35%)

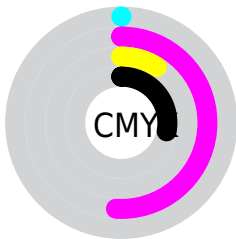
Blue (65%)



Red (72%)

Yellow (35%)

Blue (65%)

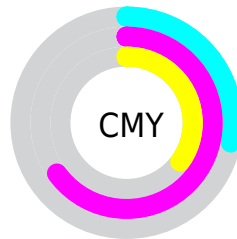


Cyan (0%)

Magenta (51%)

Yellow (9%)

Black (28%)



Cyan (28%)


Magenta (65%)


Yellow (35%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 30.1597, 20.1696, 38.8628 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 30.1597, 20.1696, 38.8628 by changing the saturation by 10% instead.

 30.1597, 20.1696,
38.8628


 30.1597, 20.1696,
38.8628


294.5446,
252.8318, 356.7154

 20.1085, 12.5184,
26.3460

 59.2995, 43.7013,
74.6467


 12.5827, 7.0978,
16.8546


 79.1189, 60.3507,
98.7509

 7.2168, 3.5233,
9.9700


 102.9250, 80.7682,
127.5546

 3.6456, 1.4107,
5.2737

 131.0833,
105.3382, 161.4764

 1.5037, 0.2246,
2.3472

163.9590,
134.4452, 200.9349

 0.3283, 0.0000,
0.7575

201.9176,

 0.0000, 0.0000,

168.4735, 246.3485

0.0000

245.3243,
207.8076, 298.1358

■ 30.1597, 20.1696,
38.8628

■ 30.1597, 20.1696,
38.8628

■ 28.5145, 17.3390,
36.8958

■ 32.1933, 23.7648,
40.9946

■ 27.2272, 15.2134,
35.0827

■ 34.6388, 28.1729,
43.2987

■ 26.2661, 13.7289,
33.4128

■ 37.5203, 33.4414,
45.7836

■ 25.5928, 12.8089,
31.8730

■ 40.8593, 39.6134,
48.4567

■ 25.1566, 12.3186,
30.5497

■ 44.6760, 46.7291,
51.3250

■ 48.9894, 54.8263,
54.3949

■ 53.8172, 63.9407,
57.6728

■ 59.1765, 74.1062,
61.1644

■ 65.0834, 85.3551,
64.8754

Harmonies

Analogous

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



25.4668, 20.1696, 58.3818



30.1597, 20.1696, 38.8628



31.7479, 20.1696, 20.5228

Triad

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



30.1597, 20.1696, 38.8628



18.6615, 20.1696, 3.5009



11.6030, 20.1696, 42.7110

Complementary

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



30.1597, 20.1696, 38.8628



23.7524, 37.0820, 19.5427

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.



10.4501, 20.1696, 23.4654



30.1597, 20.1696, 38.8628



14.0084, 20.1696, 5.1012

Square

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



30.1597, 20.1696, 38.8628



24.4067, 20.1696, 4.5653



11.2393, 20.1696, 10.8461



14.7426, 20.1696, 61.2506

Rectangle

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



30.1597, 20.1696, 38.8628



30.6265, 20.1696, 12.2175



11.2393, 20.1696, 10.8461



11.0005, 20.1696, 35.8591

Sweetspot

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



30.1604, 20.1705, 38.8632



70.4247, 65.8446, 84.6207



18.0890, 13.7659, 46.5041



15.2790, 14.0338, 18.4687



88.6918, 93.3107, 101.6153



17.8044, 18.7317, 20.3988

Same Dimension

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



30.1604, 20.1705, 38.8632



50.7613, 30.5362, 65.6783



26.6366, 18.7610, 20.3076



9.3128, 9.1355, 10.9946



17.5717, 8.6024, 21.4290



0.6372, 0.3103, 0.8487

Inverse Universe

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



30.1604, 20.1705, 38.8632



50.7613, 30.5362, 65.6783



26.8183, 38.3084, 35.6875



9.3128, 9.1355, 10.9946



17.5717, 8.6024, 21.4290



0.6372, 0.3103, 0.8487

Previews

White Background



This preview shows how the XYZ color 30.1597, 20.1696, 38.8628 looks on a white background.

Color Contrast Check

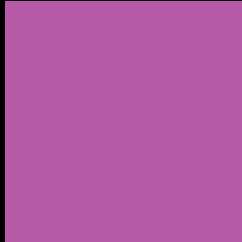
Large Text (above 18pt) WCAG AA ✓ Pass

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 30.1597, 20.1696, 38.8628 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

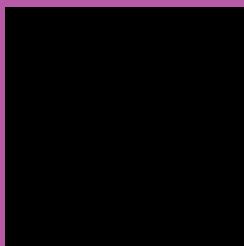
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 30.1597, 20.1696, 38.8628

Background



This preview shows how black text looks on a background with the XYZ color 30.1597, 20.1696, 38.8628.



This preview shows how white text looks on a background with the XYZ color 30.1597, 20.1696,

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

30.1597, 20.1696, 38.8628

Protanopia

21.7308, 20.4220, 53.2486

Deuteranopia

20.7287, 20.2742, 36.5390



Tritanopia

25.8510, 20.1953, 17.5745

Trichromacy



Original Color

30.1597, 20.1696, 38.8628

Protanomaly

23.4336, 19.3584, 47.8489

Deuteranomaly

23.1713, 19.4589, 37.1850

Tritanomaly

27.0548, 19.9578, 23.8990

Monochromacy



Original Color

30.1597, 20.1696, 38.8628

Achromatopsia

20.1725, 21.2231, 23.1119

Achromatomaly

22.9324, 20.1907, 28.2797

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.1597, 20.1696, 38.8628 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(183, 90, 167)` looks like.

```
.text, #text, p{  
    color:rgb(183, 90, 167)  
}
```

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(183, 90, 167) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(183, 90, 167) }
```

Border

The CSS property to change the border of an element to XYZ 30.1597, 20.1696, 38.8628 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(183, 90, 167) }
```


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

```
.border{ border-color:rgb(183, 90, 167) }
```

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

Here you see how a box with a 4 pixel rgb(183, 90, 167) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(183, 90, 167); -webkit-box-  
shadow:4px 4px 4px 4px rgb(183, 90, 167);  
box-shadow:4px 4px 4px 4px rgb(183, 90,  
167) }
```

Background

The CSS property to change the background color of an element to XYZ 30.1597, 20.1696, 38.8628 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(183, 90, 167) }
```

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

```
.background{ background-color: rgb(183, 90,  
167) }
```

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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