

Converting Colors

XYZ(30.7038, 20.2804, 59.2273)

Have a look what the booklet for
XYZ(30.7038, 20.2804, 59.2273)
contains.

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Color

**XYZ(30.6626, 20.2294,
59.4153)**

Conversions

Conversions Part 1

Format	Color
Hex	A75CCC
RGB	167, 92, 204
RGB Percent	65%, 36%, 80%
CMY	0.3451, 0.6392, 0.2000
CMYK	0.18, 0.55, 0.00, 0.20
HSL	280°, 52%, 58%
HSV	280°, 55%, 80%
XYZ	30.6626, 20.2294, 59.4153
YIQ	127.1930, 8.7480, 50.7320

Conversions

Conversions Part 2

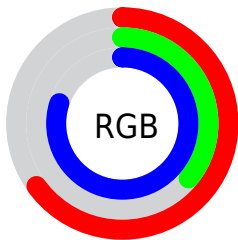
Format	Color
RYB	167, 92, 204
Decimal	10968268
CIELab	52.10, 49.41, -46.03
CIELCh	52, 67.524, 317.027
Yxy	20.2294, 0.2780, 0.1834
Android (android.graphics.Color)	4289158348 (0xFFA75CCC)
YUV	127.1930, 37.8659, 34.9107
Hunter-Lab	44.9771, 42.9803, -46.8388

Details

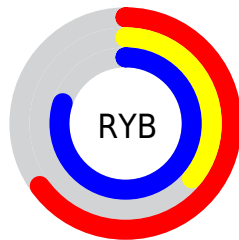
The XYZ color **30.6626, 20.2294, 59.4153** is a light color, and the websafe version is hex **9966CC**. The color can be described as light muted purple. A complement of this color would be **32.5783, 48.6260, 17.7946**, and the grayscale version is **20.1117, 21.1590, 23.0422**.

A 20% lighter version of the original color is **58.9159, 43.3181, 99.8638**, and **12.8657, 7.1323, 29.1323** is the 20% darker color. If you saturate the color by 10%, you get **27.7408, 16.4440, 58.8390**, and if you desaturate by 10%, it is **34.1359, 25.0062, 60.1546**.

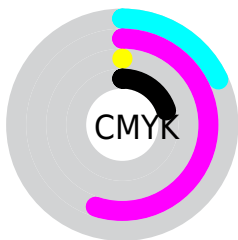
Distribution



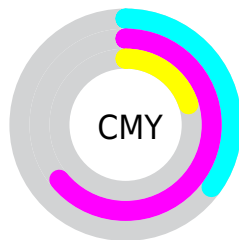
- Red (65%)
- Green (36%)
- Blue (80%)



- Red (65%)
- Yellow (36%)
- Blue (80%)



- Cyan (18%)
- Magenta (55%)
- Yellow (0%)
- Black (20%)



- Cyan (35%)
- Magenta (64%)
- Yellow (20%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 30.6626, 20.2294, 59.4153 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 30.6626, 20.2294, 59.4153 by changing the saturation by 10% instead.

■ 30.6626, 20.2294,
59.4153

■ 30.6626, 20.2294,
59.4153

296.8356,
253.1543, 440.1839

■ 20.4926, 12.5619,
42.5253

■ 60.0879, 43.8015,
105.5161

■ 12.8640, 7.1276,
29.1842

■ 80.0740, 60.4748,
135.5639

■ 7.4113, 3.5420,
18.9734

■ 104.0628, 80.9189,
170.8348

■ 3.7692, 1.4208,
11.4745

■ 132.4198,
105.5181, 211.7473

■ 1.5724, 0.2320,
6.2688

165.5102,
134.6569, 258.7199

■ 0.3743, 0.0000,
2.9378

203.6994,

■ 0.0000, 0.0000,

168.7196, 312.1712

1.0629

247.3527,
208.0906, 372.5197

■ 0.0000, 0.0000,
0.0000

■ 30.6626, 20.2294,
59.4153

■ 30.6626, 20.2294,
59.4153

■ 27.7408, 16.4440,
58.8390

■ 34.1359, 25.0062,
60.1546

■ 25.3279, 13.5685,
58.4111

■ 38.1942, 30.8419,
61.0671

■ 23.3781, 11.5125,
58.1171

■ 42.8710, 37.8012,
62.1639

■ 21.8350, 10.1649,
57.9383

■ 48.1962, 45.9426,
63.4547

■ 21.1517, 9.6451,
57.8739

■ 54.1979, 55.3204,
64.9484

■ 60.9024, 65.9857,
66.6537

■ 68.3342, 77.9865,
68.5784

■ 76.4522, 91.2385,
70.7084

■ 78.5445, 92.3172,
70.8063

Harmonies

Analogous

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



23.3807, 20.2294, 82.0106



30.6626, 20.2294, 59.4153



35.2741, 20.2294, 31.7071

Triad

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



30.6626, 20.2294, 59.4153



22.3630, 20.2294, 1.8706



9.1256, 20.2294, 35.1339

Complementary

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



30.6626, 20.2294, 59.4153



32.5783, 48.6260, 17.7946

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.



8.9785, 20.2294, 14.5488



30.6626, 20.2294, 59.4153



15.5977, 20.2294, 2.0082

Square

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



30.6626, 20.2294, 59.4153



29.7656, 20.2294, 4.2797



11.0608, 20.2294, 4.9496



11.5263, 20.2294, 63.1752

Rectangle

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



30.6626, 20.2294, 59.4153



35.6336, 20.2294, 17.6967



11.0608, 20.2294, 4.9496



8.8354, 20.2294, 27.0103

Sweetspot

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



30.6634, 20.2302, 59.4158



78.6012, 74.2072, 104.7884



23.2076, 22.4242, 60.2322



16.4173, 15.2579, 22.3297



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



30.6634, 20.2302, 59.4158



45.0940, 26.1851, 97.2853



37.5217, 24.0092, 48.7408



11.3134, 11.2109, 14.1380



13.4149, 6.1232, 36.4311



0.7701, 0.3561, 1.8831

Inverse Universe

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



32.6919, 22.0773, 23.3076



49.5288, 29.9899, 28.8867



28.8580, 46.6019, 22.4177



11.3626, 11.2738, 12.4441



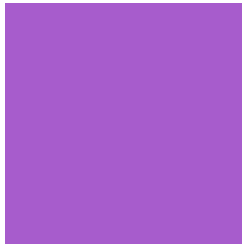
16.3573, 8.3535, 4.3340



0.8789, 0.4450, 0.4081

Previews

White Background



This preview shows how the XYZ color 30.6626, 20.2294, 59.4153 looks on a white background.

Color Contrast Check

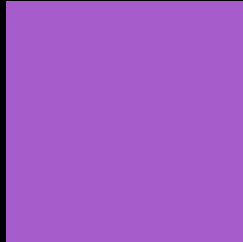
Large Text (above 18pt) WCAG AA ✓ Pass

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 30.6626, 20.2294, 59.4153 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

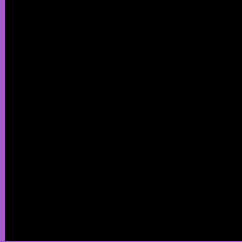
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 30.6626, 20.2294, 59.4153

Background



This preview shows how black text looks on a background with the XYZ color 30.6626, 20.2294, 59.4153.



This preview shows how white text looks on a background with the XYZ color 30.6626, 20.2294,

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

30.6626, 20.2294, 59.4153

Protanopia

23.7176, 20.6942, 79.0883

Deuteranopia

21.0939, 20.5834, 56.2873



Tritanopia

22.7444, 20.0854, 21.0905

Trichromacy



Original Color

30.6626, 20.2294, 59.4153

Protanomaly

24.3543, 19.3094, 71.5507

Deuteranomaly

23.2699, 19.5578, 57.1922

Tritanomaly

25.0171, 19.7411, 32.1976

Monochromacy



Original Color

30.6626, 20.2294, 59.4153

Achromatopsia

20.1725, 21.2231, 23.1119

Achromatomaly

23.0890, 20.1520, 33.6831

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.6626, 20.2294, 59.4153 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(167, 92, 204)` looks like.

```
.text, #text, p{  
    color:rgb(167, 92, 204)  
}
```

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(167, 92, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(167, 92, 204) }
```

Border

The CSS property to change the border of an element to XYZ 30.6626, 20.2294, 59.4153 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(167, 92, 204) }
```


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

```
.border{ border-color:rgb(167, 92, 204) }
```

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

Here you see how a box with a 4 pixel `rgb(167, 92, 204)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(167, 92, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(167, 92, 204);  
box-shadow:4px 4px 4px 4px rgb(167, 92,  
204) }
```

Background

The CSS property to change the background color of an element to XYZ 30.6626, 20.2294, 59.4153 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(167, 92, 204) }
```

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

```
.background{ background-color: rgb(167, 92,  
204) }
```

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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