

Converting Colors

XYZ(30.7097, 20.3405, 80.6021)

Have a look what the booklet for
XYZ(30.7097, 20.3405, 80.6021)
contains.

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Color

**XYZ(30.6799, 20.2932,
80.8972)**

Conversions

Conversions Part 1

Format	Color
Hex	9060EB
RGB	144, 96, 235
RGB Percent	56%, 38%, 92%
CMY	0.4353, 0.6235, 0.0784
CMYK	0.39, 0.59, 0.00, 0.08
HSL	261°, 78%, 65%
HSV	261°, 59%, 92%
XYZ	30.6799, 20.2932, 80.8972
YIQ	126.1980, -16.0110, 53.4050

Conversions

Conversions Part 2

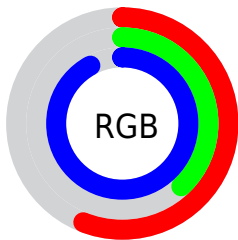
Format	Color
RYB	144, 96, 235
Decimal	9461995
CIELab	52.17, 49.16, -63.61
CIELCh	52, 80.396, 307.697
Yxy	20.2932, 0.2327, 0.1539
Android (android.graphics.Color)	4287652075 (0xFF9060EB)
YUV	126.1980, 53.6394, 15.6124
Hunter-Lab	45.0480, 42.7334, -74.9395

Details

The XYZ color **30.6799, 20.2932, 80.8972** is a light color, and the websafe version is hex **9966FF**. A complement of this color would be **52.3128, 70.8260, 21.9803**, and the grayscale version is **19.7265, 20.7538, 22.6009**.

A 20% lighter version of the original color is **52.9970, 40.9564, 99.7199**, and **12.8506, 7.1468, 42.8216** is the 20% darker color. If you saturate the color by 10%, you get **26.3410, 15.3354, 80.1694**, and if you desaturate by 10%, it is **36.0274, 26.7223, 81.8567**.

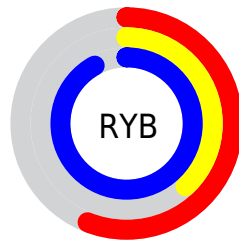
Distribution



Red (56%)

Green (38%)

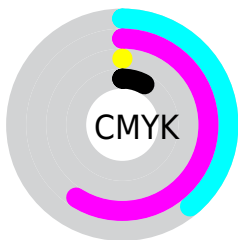
Blue (92%)



Red (56%)

Yellow (38%)

Blue (92%)

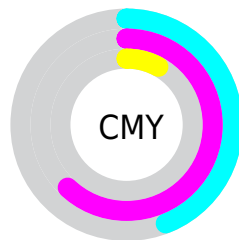


Cyan (39%)

Magenta (59%)

Yellow (0%)

Black (8%)



Cyan (44%)


Magenta (62%)


Yellow (8%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 30.6799, 20.2932, 80.8972 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 30.6799, 20.2932, 80.8972 by changing the saturation by 10% instead.


 30.6799, 20.2932,
80.8972


 30.6799, 20.2932,
80.8972


296.9142,
253.4980, 517.7376


 20.5059, 12.6084,
59.9264


 60.1150, 43.9082,
136.4492


 12.8737, 7.1594,
42.9344

 80.1068, 60.6072,
171.8675

 7.4180, 3.5620,
29.5027


 104.1019, 81.0796,
212.9387

 3.7735, 1.4317,
19.2126

 132.4656,
105.7099, 260.0814

 1.5748, 0.2399,
11.6456

165.5634,
134.8825, 313.7141

 0.3759, 0.0000,
6.3832

203.7605,

 0.0000, 0.0000,

168.9818, 374.2553

3.0070

247.4223,
208.3922, 442.1237

■ 0.0000, 0.0000,
1.0982

■ 0.0000, 0.0000,
0.0000

■ 30.6799, 20.2932,
80.8972

■ 30.6799, 20.2932,
80.8972

■ 26.3410, 15.3354,
80.1694

■ 36.0274, 26.7223,
81.8567

■ 22.9342, 11.7213,
79.6513

■ 42.4465, 34.7313,
83.0643

■ 20.3749, 9.3035,
79.3195

■ 49.9976, 44.4208,
84.5366

■ 18.5376, 7.8565,
79.1371

■ 58.7359, 55.8822,
86.2883

■ 18.4022, 7.7544,
79.1245

■ 68.7125, 69.2001,
88.3331

■ 79.9755, 84.4537,
90.6837

■ 90.7900, 98.1568,
92.7587

■ 91.9955, 98.7782,
92.8151

Harmonies

Analogous

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



21.4874, 20.2932, 104.3751



30.6799, 20.2932, 80.8972



37.9576, 20.2932, 44.1574

Triad

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



30.6799, 20.2932, 80.8972



25.9421, 20.2932, 1.0933



7.4679, 20.2932, 28.7427

Complementary

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



30.6799, 20.2932, 80.8972



52.3128, 70.8260, 21.9803

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.



8.0350, 20.2932, 8.9685



30.6799, 20.2932, 80.8972



17.2442, 20.2932, 0.7181

Square

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



30.6799, 20.2932, 80.8972



34.7238, 20.2932, 4.3494



11.1360, 20.2932, 2.1332



9.2769, 20.2932, 63.0384

Rectangle

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



30.6799, 20.2932, 80.8972



39.8274, 20.2932, 23.9682



11.1360, 20.2932, 2.1332



7.3991, 20.2932, 20.3237

Sweetspot

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



30.6808, 20.2939, 80.8977



71.9112, 68.8698, 104.1108



37.9457, 44.7374, 85.2329



14.6916, 13.8145, 22.1421



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.



30.6808, 20.2939, 80.8977



30.7261, 17.3850, 96.3439



46.2820, 28.3366, 81.6278



14.7217, 14.8018, 19.0034



10.3653, 4.3794, 44.0420



0.9141, 0.3955, 3.4630

Inverse Universe

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



47.4135, 29.6160, 50.2300



53.2526, 29.9778, 53.1252



39.4507, 64.1954, 21.3784



15.4810, 15.2203, 17.8183



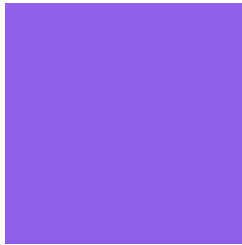
22.3691, 11.1503, 18.2769



1.8015, 0.8936, 1.6721

Previews

White Background



This preview shows how the XYZ color 30.6799, 20.2932, 80.8972 looks on a white background.

Color Contrast Check

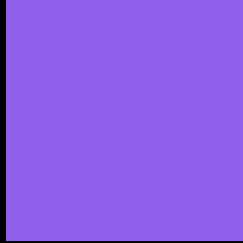
Large Text (above 18pt) WCAG AA ✓ Pass

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 30.6799, 20.2932, 80.8972 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

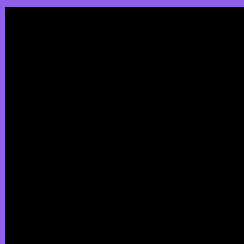
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 30.6799, 20.2932, 80.8972

Background



This preview shows how black text looks on a background with the XYZ color 30.6799, 20.2932, 80.8972.



This preview shows how white text looks on a background with the XYZ color 30.6799, 20.2932,

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

30.6799, 20.2932, 80.8972

Protanopia

24.7665, 20.6529, 97.2888

Deuteranopia

21.0439, 20.5606, 73.3805



Tritanopia

19.5368, 20.2741, 25.4379

Trichromacy



Original Color

30.6799, 20.2932, 80.8972



Protanomaly

24.0439, 18.8763, 91.1832



Deuteranomaly

21.6652, 18.8223, 75.8900



Tritanomaly

22.5739, 19.7207, 41.1448

Monochromacy



Original Color

30.6799, 20.2932, 80.8972



Achromatopsia

19.8309, 20.8637, 22.7206



Achromatomaly

22.6865, 20.0012, 38.7413

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.6799, 20.2932, 80.8972 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(144, 96, 235)` looks like.

```
.text, #text, p{  
    color:rgb(144, 96, 235)  
}
```

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(144, 96, 235) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(144, 96, 235) }
```

Border

The CSS property to change the border of an element to XYZ 30.6799, 20.2932, 80.8972 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(144, 96, 235) }
```


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

```
.border{ border-color:rgb(144, 96, 235) }
```

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

Here you see how a box with a 4 pixel `rgb(144, 96, 235)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(144, 96, 235); -webkit-box-  
shadow:4px 4px 4px 4px rgb(144, 96, 235);  
box-shadow:4px 4px 4px 4px rgb(144, 96,  
235) }
```

Background

The CSS property to change the background color of an element to XYZ 30.6799, 20.2932, 80.8972 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(144, 96, 235) }
```

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

```
.background{ background-color: rgb(144, 96,  
235) }
```

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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