

Converting Colors

XYZ(30.1813, 20.5351, 70.7796)

Have a look what the booklet for
XYZ(30.1813, 20.5351, 70.7796)
contains.

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Color

**XYZ(30.1813, 20.5351,
70.7796)**

Conversions

Conversions Part 1

Format	Color
Hex	9762DD
RGB	151, 98, 221
RGB Percent	59%, 38%, 87%
CMY	0.4078, 0.6157, 0.1333
CMYK	0.32, 0.56, 0.00, 0.13
HSL	266°, 64%, 63%
HSV	266°, 56%, 87%
XYZ	30.1813, 20.5351, 70.7796
YIQ	127.8690, -7.8950, 49.4890

Conversions

Conversions Part 2

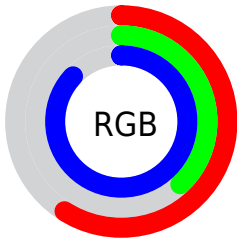
Format	Color
R _Y B	151, 98, 221
Decimal	9921245
CIE Lab	52.44, 46.13, -55.26
CIE LCh	52, 71.982, 309.856
Yxy	20.5351, 0.2484, 0.1690
Android (android.graphics.Color)	4288111325 (0xFF9762DD)
YUV	127.8690, 45.9136, 20.2859
Hunter-Lab	45.3157, 39.5828, -60.8855

Details

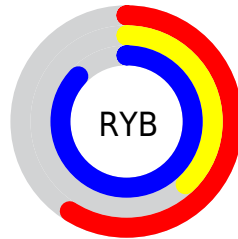
The XYZ color **30.1813, 20.5351, 70.7796** is a light color, and the websafe version is hex **9966CC**. A complement of this color would be **44.2097, 60.9199, 20.9844**, and the grayscale version is **20.3212, 21.3795, 23.2823**.

A 20% lighter version of the original color is **54.9688, 42.4426, 99.9028**, and **12.5678, 7.2634, 36.3369** is the 20% darker color. If you saturate the color by 10%, you get **26.1808, 15.8156, 70.0799**, and if you desaturate by 10%, it is **35.0033, 26.5259, 71.6822**.

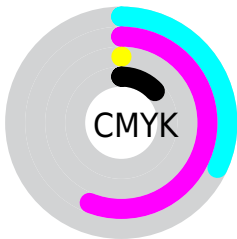
Distribution



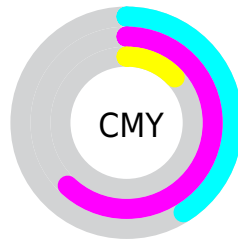
- Red (59%)
- Green (38%)
- Blue (87%)



- Red (59%)
- Yellow (38%)
- Blue (87%)



- Cyan (32%)
- Magenta (56%)
- Yellow (0%)
- Black (13%)





- Cyan (41%)
- Magenta (62%)
- Yellow (13%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 30.1813, 20.5351, 70.7796 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 30.1813, 20.5351, 70.7796 by changing the saturation by 10% instead.

 30.1813, 20.5351,
70.7796


 30.1813, 20.5351,
70.7796


294.6433,
254.7974, 482.1455

 20.1250, 12.7846,
51.6816


 59.3334, 44.3125,
122.0114


 12.5947, 7.2804,
36.3709


 79.1600, 61.1082,
154.9822

 7.2251, 3.6381,
24.4288


 102.9740, 81.6878,
193.4145

 3.6509, 1.4732,
15.4369

 131.1408,
106.4356, 237.7267

 1.5066, 0.2698,
8.9766

164.0258,
135.7361, 288.3373

 0.3303, 0.0000,
4.6293

201.9943,

 0.0000, 0.0000,

169.9736, 345.6650

1.9765

245.4117,
209.5326, 410.1282

■ 0.0000, 0.0000,
0.5408

■ 0.0000, 0.0000,
0.0000

■ 30.1813, 20.5351,
70.7796

■ 30.1813, 20.5351,
70.7796

■ 26.1808, 15.8156,
70.0799

■ 35.0033, 26.5259,
71.6822

■ 22.9431, 12.2646,
69.5651

■ 40.6944, 33.8752,
72.8008

■ 20.4049, 9.7663,
69.2167

■ 47.3012, 42.6646,
74.1491

■ 18.4882, 8.1781,
69.0111

■ 54.8661, 52.9687,
75.7393

■ 17.7945, 7.6658,
68.9488

■ 63.4287, 64.8569,
77.5826

■ 73.0261, 78.3941,
79.6897

■ 83.6935, 93.6414,
82.0705

■ 88.8183, 97.3649,
82.5191

■ 90.0512, 98.0005,
82.5768

Harmonies

Analogous

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



22.0673, 20.5351, 91.7625



30.1813, 20.5351, 70.7796



36.2400, 20.5351, 39.6196

Triad

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



30.1813, 20.5351, 70.7796



24.8637, 20.5351, 1.7441



8.5538, 20.5351, 30.1204

Complementary

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



30.1813, 20.5351, 70.7796



44.2097, 60.9199, 20.9844

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.



8.9422, 20.5351, 11.0202



30.1813, 20.5351, 70.7796



17.1730, 20.5351, 1.4198

Square

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



30.1813, 20.5351, 70.7796



32.6695, 20.5351, 5.0514



11.7186, 20.5351, 3.3608



10.4758, 20.5351, 60.1719

Rectangle

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



30.1813, 20.5351, 70.7796



37.5764, 20.5351, 22.4624



11.7186, 20.5351, 3.3608



8.4328, 20.5351, 22.2564

Sweetspot

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



30.1822, 20.5359, 70.7801



74.2452, 71.0098, 104.4009



32.4166, 36.4736, 73.7386



15.4233, 14.5580, 22.2470



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.



30.1822, 20.5359, 70.7801



35.2874, 20.8298, 96.7684



44.2117, 27.7684, 71.4367



12.8682, 12.8902, 16.4620



10.4613, 4.5172, 40.0589



0.7752, 0.3429, 2.5998

Inverse Universe

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



41.2547, 26.9352, 40.0703



52.8015, 30.9758, 47.1165



34.2764, 55.7991, 20.5195



13.3649, 13.1751, 15.1831



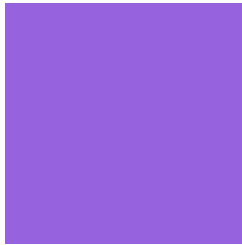
19.5591, 9.8247, 12.5900



1.3100, 0.6536, 1.0415

Previews

White Background



This preview shows how the XYZ color 30.1813, 20.5351, 70.7796 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 30.1813, 20.5351, 70.7796 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

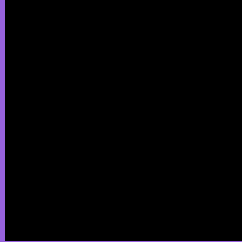
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 30.1813, 20.5351, 70.7796

Background



This preview shows how black text looks on a background with the XYZ color 30.1813, 20.5351, 70.7796.



This preview shows how white text looks on a background with the XYZ color 30.1813, 20.5351,

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

30.1813, 20.5351, 70.7796

Protanopia

24.6342, 20.9454, 89.1307

Deuteranopia

21.5425, 20.9549, 67.1993



Tritanopia

20.8878, 20.6261, 24.3531

Trichromacy



Original Color

30.1813, 20.5351, 70.7796



Protanomaly

24.9759, 19.8926, 81.8802



Deuteranomaly

23.0842, 19.7247, 68.2362



Tritanomaly

23.4212, 20.0660, 37.7607

Monochromacy



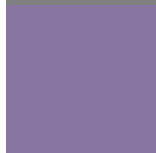
Original Color

30.1813, 20.5351, 70.7796



Achromatopsia

20.5175, 21.5861, 23.5072



Achromatomaly

23.0362, 20.5655, 36.9378

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.1813, 20.5351, 70.7796 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(151, 98, 221)` looks like.

```
.text, #text, p{  
    color:rgb(151, 98, 221)  
}
```

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(151, 98, 221) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(151, 98, 221) }
```

Border

The CSS property to change the border of an element to XYZ 30.1813, 20.5351, 70.7796 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(151, 98, 221) }
```


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

```
.border{ border-color:rgb(151, 98, 221) }
```

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

Here you see how a box with a 4 pixel `rgb(151, 98, 221)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(151, 98, 221); -webkit-box-  
shadow:4px 4px 4px 4px rgb(151, 98, 221);  
box-shadow:4px 4px 4px 4px rgb(151, 98,  
221) }
```

Background

The CSS property to change the background color of an element to XYZ 30.1813, 20.5351, 70.7796 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(151, 98, 221) }
```

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

```
.background{ background-color: rgb(151, 98,  
221) }
```

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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