

Converting Colors

XYZ(28.3262, 20.4931, 59.2128)

Have a look what the booklet for
XYZ(28.3262, 20.4931, 59.2128)
contains.

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Color

**XYZ(28.3922, 20.5916,
58.9781)**

Conversions

Conversions Part 1

Format	Color
Hex	9767CB
RGB	151, 103, 203
RGB Percent	59%, 40%, 80%
CMY	0.4078, 0.5961, 0.2039
CMYK	0.26, 0.49, 0.00, 0.20
HSL	269°, 49%, 60%
HSV	269°, 49%, 80%
XYZ	28.3922, 20.5916, 58.9781
YIQ	128.7520, -3.4920, 41.2760

Conversions

Conversions Part 2

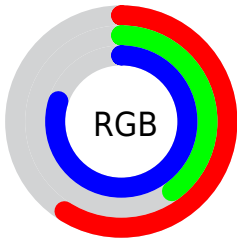
Format	Color
R _Y B	151, 103, 203
Decimal	9922507
CIE Lab	52.50, 38.98, -44.93
CIE LCh	52, 59.483, 310.946
Yxy	20.5916, 0.2630, 0.1907
Android (android.graphics.Color)	4288112587 (0xFF9767CB)
YUV	128.7520, 36.6043, 19.5115
Hunter-Lab	45.3780, 32.2729, -45.2951

Details

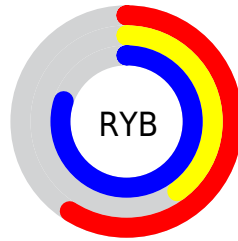
The XYZ color **28.3922, 20.5916, 58.9781** is a light color, and the websafe version is hex **9966CC**. A complement of this color would be **37.3222, 50.6602, 20.6440**, and the grayscale version is **20.6573, 21.7331, 23.6674**.

A 20% lighter version of the original color is **55.5035, 43.9281, 100.1614**, and **11.5942, 7.3178, 28.8184** is the 20% darker color. If you saturate the color by 10%, you get **24.7407, 16.0672, 58.2976**, and if you desaturate by 10%, it is **32.7108, 26.1882, 59.8311**.

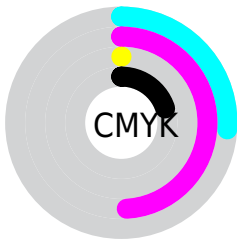
Distribution



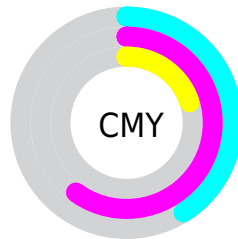
- Red (59%)
- Green (40%)
- Blue (80%)



- Red (59%)
- Yellow (40%)
- Blue (80%)



- Cyan (26%)
- Magenta (49%)
- Yellow (0%)
- Black (20%)





- Cyan (41%)
- Magenta (60%)
- Yellow (20%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 28.3922, 20.5916, 58.9781 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 28.3922, 20.5916, 58.9781 by changing the saturation by 10% instead.


 28.3922, 20.5916,
58.9781

 28.3922, 20.5916,
58.9781

286.3825,
255.1000, 438.5204


 18.7635, 12.8258,
42.1756


 56.5143, 44.4068,
104.8746


 11.6025, 7.3087,
28.9122


 75.7383, 61.2251,
134.8058

 6.5439, 3.6559,
18.7694


 98.8916, 81.8296,
169.9502

 3.2223, 1.4830,
11.3287

 126.3393,
106.6048, 210.7264

 1.2724, 0.2767,
6.1714

158.4469,
135.9350, 257.5530

 0.1624, 0.0000,
2.8791

195.5797,

 0.0000, 0.0000,

170.2047, 310.8485

1.0332

238.1031,
209.7983, 371.0314

■ 0.0000, 0.0000,
0.0000

■ 28.3922, 20.5916,
58.9781

■ 28.3922, 20.5916,
58.9781

■ 24.7407, 16.0672,
58.2976

■ 32.7108, 26.1882,
59.8311

■ 21.7133, 12.5382,
57.7760

■ 37.7311, 32.9218,
60.8662

■ 19.2649, 9.9207,
57.3998

■ 43.4877, 40.8549,
62.0941

■ 17.3422, 8.1153,
57.1527

■ 50.0123, 50.0444,
63.5239

■ 15.8569, 6.9535,
57.0067

■ 57.3343, 60.5437,
65.1646

■ 15.7565, 6.8775,
56.9974

■ 65.4819, 72.4029,
67.0242

■ 74.4815, 85.6696,
69.1106

■ 80.9492, 93.5707,
70.2948

■ 84.5476, 95.4257,
70.4632

Harmonies

Analogous

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



21.9048, 20.5916, 74.8398



28.3922, 20.5916, 58.9781



33.0167, 20.5916, 35.3986

Triad

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



28.3922, 20.5916, 58.9781



23.6930, 20.5916, 3.2247



10.1037, 20.5916, 29.4881

Complementary

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



28.3922, 20.5916, 58.9781



37.3222, 50.6602, 20.6440

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.



10.3849, 20.5916, 13.0799



28.3922, 20.5916, 58.9781



17.4105, 20.5916, 2.8962

Square

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



28.3922, 20.5916, 58.9781



29.9350, 20.5916, 6.7413



12.7981, 20.5916, 5.3325



11.9276, 20.5916, 52.7560

Rectangle

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



28.3922, 20.5916, 58.9781



33.9414, 20.5916, 21.8663



12.7981, 20.5916, 5.3325



9.9669, 20.5916, 22.9845

Sweetspot

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



28.3930, 20.5924, 58.9786



77.0958, 74.3978, 104.9046



28.3182, 31.0851, 61.0078



16.0142, 15.2404, 22.3476



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.



28.3930, 20.5924, 58.9786



41.1342, 26.5514, 97.5647



39.3608, 26.2465, 59.4919



11.1056, 11.1037, 14.1283



10.1313, 4.4304, 36.2774



0.6101, 0.2737, 1.8756

Inverse Universe

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



35.3958, 24.7643, 33.9253



54.7706, 34.6816, 48.4891



29.7883, 46.7763, 20.2914



11.4519, 11.3095, 12.9141



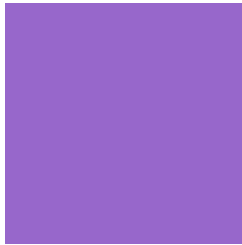
17.3609, 8.7549, 9.6190



0.9339, 0.4670, 0.6976

Previews

White Background



This preview shows how the XYZ color 28.3922, 20.5916, 58.9781 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 28.3922, 20.5916, 58.9781 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

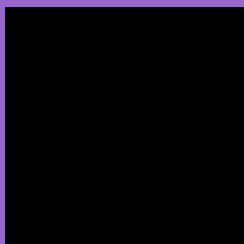
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 28.3922, 20.5916, 58.9781

Background



This preview shows how black text looks on a background with the XYZ color 28.3922, 20.5916, 58.9781.



This preview shows how white text looks on a background with the XYZ color 28.3922, 20.5916,

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

28.3922, 20.5916, 58.9781

Protanopia

23.3189, 20.8450, 71.2011

Deuteranopia

21.4002, 20.9302, 56.3381



Tritanopia

21.2270, 20.4479, 23.9472

Trichromacy



Original Color

28.3922, 20.5916, 58.9781

Protanomaly

24.2122, 20.1807, 66.2375

Deuteranomaly

23.2104, 20.3782, 57.3536

Tritanomaly

23.4308, 20.3086, 34.5833

Monochromacy



Original Color

28.3922, 20.5916, 58.9781

Achromatopsia

20.8660, 21.9526, 23.9064

Achromatomaly

23.0337, 21.1516, 34.3211

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.3922, 20.5916, 58.9781 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, 103, 203)` looks like.

```
.text, #text, p{  
    color:rgb(151, 103, 203)  
}
```

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, 103, 203) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(151, 103, 203) }
```

Border

The CSS property to change the border of an element to XYZ 28.3922, 20.5916, 58.9781 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, 103, 203) }
```


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

```
.border{ border-color:rgb(151, 103, 203) }
```

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

Here you see how a box with a 4 pixel `rgb(151, 103, 203)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(151, 103, 203); -webkit-box-  
shadow:4px 4px 4px 4px rgb(151, 103, 203);  
box-shadow:4px 4px 4px 4px rgb(151, 103,  
203) }
```

Background

The CSS property to change the background color of an element to XYZ 28.3922, 20.5916, 58.9781 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(151, 103, 203) }
```

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

```
.background{ background-color: rgb(151,  
103, 203) }
```

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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