

Converting Colors

XYZ(29.1521, 21.2326, 58.1093)

Have a look what the booklet for
XYZ(29.1521, 21.2326, 58.1093)
contains.

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Color

**XYZ(29.1118, 21.2888,
57.8331)**

Conversions

Conversions Part 1

Format	Color
Hex	9B69C9
RGB	155, 105, 201
RGB Percent	61%, 41%, 79%
CMY	0.3921, 0.5882, 0.2118
CMYK	0.23, 0.48, 0.00, 0.21
HSL	271°, 47%, 60%
HSV	271°, 48%, 79%
XYZ	29.1118, 21.2888, 57.8331
YIQ	130.8940, -1.0160, 40.4560

Conversions

Conversions Part 2

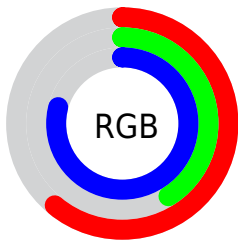
Format	Color
RYB	155, 105, 201
Decimal	10185161
CIELab	53.26, 38.49, -42.55
CIELCh	53, 57.373, 312.130
Yxy	21.2888, 0.2690, 0.1967
Android (android.graphics.Color)	4288375241 (0xFF9B69C9)
YUV	130.8940, 34.5623, 21.1410
Hunter-Lab	46.1398, 31.8796, -42.0181

Details

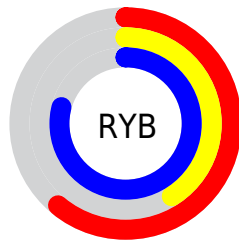
The XYZ color **29.1118, 21.2888, 57.8331** is a light color, and the websafe version is hex **9966CC**. A complement of this color would be **36.1994, 49.3729, 20.9874**, and the grayscale version is **21.4173, 22.5326, 24.5380**.

A 20% lighter version of the original color is **56.9709, 45.1828, 100.3262**, and **11.9693, 7.6704, 28.0438** is the 20% darker color. If you saturate the color by 10%, you get **25.5262, 16.7523, 57.1468**, and if you desaturate by 10%, it is **33.3303, 26.8705, 58.6885**.

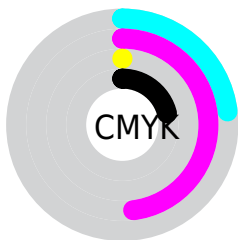
Distribution



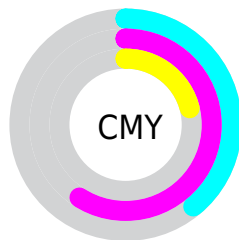
- Red (61%)
- Green (41%)
- Blue (79%)



- Red (61%)
- Yellow (41%)
- Blue (79%)



- Cyan (23%)
- Magenta (48%)
- Yellow (0%)
- Black (21%)



- Cyan (39%)
- Magenta (59%)
- Yellow (21%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.1118, 21.2888, 57.8331 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 29.1118, 21.2888, 57.8331 by changing the saturation by 10% instead.

■ 29.1118, 21.2888,
57.8331

■ 29.1118, 21.2888,
57.8331

289.7268,
258.8093, 434.1446

■ 19.3101, 13.3353,
41.2607

■ 57.6510, 45.5677,
103.1921

■ 11.9999, 7.6598,
28.2016

■ 77.1192, 62.6618,
132.8159

■ 6.8158, 3.8781,
18.2373

■ 100.5403, 83.5716,
167.6271

■ 3.3925, 1.6056,
10.9493

■ 128.2797,
108.6815, 208.0443

■ 1.3646, 0.3614,
5.9190

160.7027,
138.3758, 254.4862

■ 0.2308, 0.0000,
2.7279

198.1746,

■ 0.0000, 0.0000,

173.0389, 307.3711

0.9574

241.0609,
213.0553, 367.1178

■ 0.0000, 0.0000,
0.0000

■ 29.1118, 21.2888,
57.8331

■ 29.1118, 21.2888,
57.8331

■ 25.5262, 16.7523,
57.1468

■ 33.3303, 26.8705,
58.6885

■ 22.5329, 13.1876,
56.6165

■ 38.2137, 33.5591,
59.7222

■ 20.0901, 10.5152,
56.2294

■ 43.7948, 41.4143,
60.9442

■ 18.1481, 8.6413,
55.9701

■ 50.1030, 50.4908,
62.3637

■ 16.6366, 7.4311,
55.8162

■ 57.1663, 60.8396,
63.9889

■ 16.3320, 7.2016,
55.7879

■ 65.0107, 72.5089,
65.8279

■ 73.6614, 85.5443,
67.8880

■ 79.5981, 92.9015,
68.9952

■ 82.8117, 94.5582,
69.1456

Harmonies

Analogous

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



22.7859, 21.2888, 73.5867



29.1118, 21.2888, 57.8331



33.4914, 21.2888, 35.0173

Triad

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



29.1118, 21.2888, 57.8331



24.0292, 21.2888, 3.7060



10.8380, 21.2888, 30.9326

Complementary

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



29.1118, 21.2888, 57.8331



36.1994, 49.3729, 20.9874

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.



11.0386, 21.2888, 14.3652



29.1118, 21.2888, 57.8331



17.8808, 21.2888, 3.4568

Square

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



29.1118, 21.2888, 57.8331



30.1773, 21.2888, 7.2155



13.3745, 21.2888, 6.1825



12.7574, 21.2888, 53.5895

Rectangle

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



29.1118, 21.2888, 57.8331



34.2737, 21.2888, 21.9602



13.3745, 21.2888, 6.1825



10.6724, 21.2888, 24.4439

Sweetspot

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



29.1126, 21.2896, 57.8336



78.6842, 76.1985, 105.1684



27.5001, 29.4833, 59.5001



16.3509, 15.6072, 22.4007



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.



29.1126, 21.2896, 57.8336



43.6814, 28.6549, 97.8364



39.4948, 26.6635, 57.3420



10.5749, 10.5546, 13.3974



10.3752, 4.5829, 35.0821



0.5746, 0.2599, 1.6650

Inverse Universe

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



34.7254, 24.7557, 32.2267



54.9449, 35.6031, 46.7810



29.3458, 45.8302, 21.1001



10.8420, 10.7202, 12.1511



16.5275, 8.3606, 7.9878



0.8191, 0.4105, 0.5707

Previews

White Background



This preview shows how the XYZ color 29.1118, 21.2888, 57.8331 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 29.1118, 21.2888, 57.8331 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

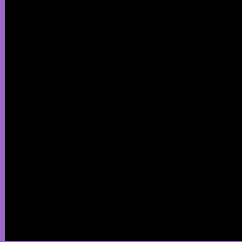
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 29.1118, 21.2888, 57.8331

Background



This preview shows how black text looks on a background with the XYZ color 29.1118, 21.2888, 57.8331.

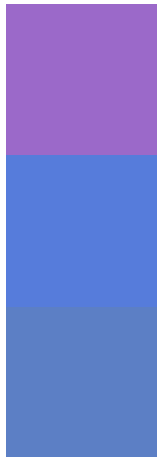


This preview shows how white text looks on a background with the XYZ color 29.1118, 21.2888,

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

29.1118, 21.2888, 57.8331

Protanopia

23.8316, 21.5082, 69.9133

Deuteranopia

22.0810, 21.4853, 55.8066



Tritanopia

22.2618, 21.1531, 24.3824

Trichromacy



Original Color

29.1118, 21.2888, 57.8331



Protanomaly

24.8005, 20.8556, 65.0058



Deuteranomaly

23.8601, 20.9157, 56.2057



Tritanomaly

24.1641, 20.8648, 34.2062

Monochromacy



Original Color

29.1118, 21.2888, 57.8331



Achromatopsia

21.5731, 22.6966, 24.7166



Achromatomaly

23.7755, 21.8948, 34.4255

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.1118, 21.2888, 57.8331 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(155, 105, 201)` looks like.

```
.text, #text, p{  
    color:rgb(155, 105, 201)  
}
```

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(155, 105, 201) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(155, 105, 201) }
```

Border

The CSS property to change the border of an element to XYZ 29.1118, 21.2888, 57.8331 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(155, 105, 201) }
```


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

```
.border{ border-color:rgb(155, 105, 201) }
```

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

Here you see how a box with a 4 pixel `rgb(155, 105, 201)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(155, 105, 201); -webkit-box-  
shadow:4px 4px 4px 4px rgb(155, 105, 201);  
box-shadow:4px 4px 4px 4px rgb(155, 105,  
201) }
```

Background

The CSS property to change the background color of an element to XYZ 29.1118, 21.2888, 57.8331 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(155, 105, 201) }
```

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

```
.background{ background-color: rgb(155,  
105, 201) }
```

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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