

Converting Colors

XYZ(28.3334, 20.9199, 60.0407)

Have a look what the booklet for
XYZ(28.3334, 20.9199, 60.0407)
contains.

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Color

**XYZ(28.3862, 21.0117,
60.3172)**

Conversions

Conversions Part 1

Format	Color
Hex	946ACD
RGB	148, 106, 205
RGB Percent	58%, 42%, 80%
CMY	0.4196, 0.5843, 0.1961
CMYK	0.28, 0.48, 0.00, 0.20
HSL	265°, 50%, 61%
HSV	265°, 48%, 80%
XYZ	28.3862, 21.0117, 60.3172
YIQ	129.8440, -6.7470, 39.6930

Conversions

Conversions Part 2

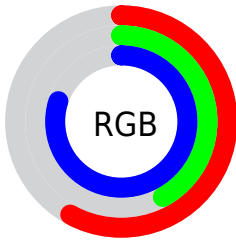
Format	Color
R_{YB}	148, 106, 205
Decimal	9726669
CIE _{Lab}	52.96, 36.96, -45.36
CIE _{LCh}	53, 58.511, 309.179
Yxy	21.0117, 0.2587, 0.1915
Android (android.graphics.Color)	4287916749 (0xFF946ACD)
YUV	129.8440, 37.0519, 15.9228
Hunter-Lab	45.8385, 30.3214, -45.9305

Details

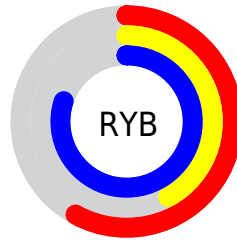
The XYZ color **28.3862, 21.0117, 60.3172** is a light color, and the websafe version is hex **9966CC**. A complement of this color would be **39.5375, 52.4902, 21.6841**, and the grayscale version is **21.0387, 22.1344, 24.1043**.

A 20% lighter version of the original color is **55.1787, 44.5111, 100.2910**, and **11.5842, 7.5079, 29.6928** is the 20% darker color. If you saturate the color by 10%, you get **24.4935, 16.2352, 59.6008**, and if you desaturate by 10%, it is **33.0031, 26.9119, 61.2131**.

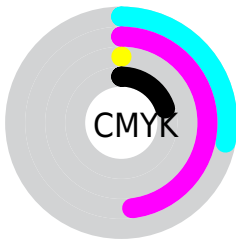
Distribution



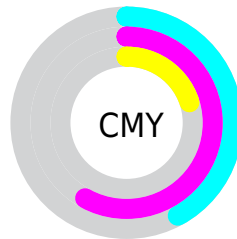
- Red (58%)
- Green (42%)
- Blue (80%)



- Red (58%)
- Yellow (42%)
- Blue (80%)



- Cyan (28%)
- Magenta (48%)
- Yellow (0%)
- Black (20%)



- Cyan (42%)
- Magenta (58%)
- Yellow (20%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 28.3862, 21.0117, 60.3172 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 28.3862, 21.0117, 60.3172 by changing the saturation by 10% instead.

■ 28.3862, 21.0117,
60.3172

■ 28.3862, 21.0117,
60.3172

286.3545,
257.3407, 443.6030

■ 18.7589, 13.1326,
43.2474

■ 56.5048, 45.1070,
106.8375

■ 11.5992, 7.5199,
29.7464

■ 75.7268, 62.0920,
137.1252

■ 6.5416, 3.7893,
19.3958

■ 98.8778, 82.8810,
172.6558

■ 3.2209, 1.5564,
11.7769

■ 126.3231,
107.8584, 213.8480

■ 1.2716, 0.3279,
6.4713

158.4280,
137.4087, 261.1202

■ 0.1618, 0.0000,
3.0603

195.5580,

■ 0.0000, 0.0000,

171.9163, 314.8911

1.1255

238.0784,
211.7655, 375.5792

■ 0.0000, 0.0000,
0.0000

■ 28.3862, 21.0117,
60.3172

■ 28.3862, 21.0117,
60.3172

■ 24.4935, 16.2352,
59.6008

■ 33.0031, 26.9119,
61.2131

■ 21.2796, 12.5034,
59.0499

■ 38.3810, 34.0024,
62.2983

■ 18.6970, 9.7307,
58.6508

■ 44.5569, 42.3475,
63.5835

■ 16.6897, 7.8158,
58.3870

■ 51.5643, 52.0060,
65.0785

■ 15.1762, 6.6071,
58.2335

■ 59.4350, 63.0329,
66.7920

■ 14.9474, 6.4327,
58.2119

■ 68.1988, 75.4801,
68.7327

■ 77.8842, 89.3966,
70.9084

■ 83.5437, 94.8804,
71.6686

■ 87.7362, 97.0418,
71.8648

Harmonies

Analogous

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



21.9119, 21.0117, 75.0416



28.3862, 21.0117, 60.3172



33.1466, 21.0117, 37.1060

Triad

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



28.3862, 21.0117, 60.3172



24.4631, 21.0117, 3.6032



10.4445, 21.0117, 28.6999

Complementary

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



28.3862, 21.0117, 60.3172



39.5375, 52.4902, 21.6841

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.



10.8516, 21.0117, 12.8503



28.3862, 21.0117, 60.3172



18.1482, 21.0117, 3.1104

Square

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



28.3862, 21.0117, 60.3172



30.5788, 21.0117, 7.4869



13.4087, 21.0117, 5.4139



12.1531, 21.0117, 51.5361

Rectangle

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



28.3862, 21.0117, 60.3172



34.2363, 21.0117, 23.3656



13.4087, 21.0117, 5.4139



10.3476, 21.0117, 22.3976

Sweetspot

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



28.3870, 21.0125, 60.3177



77.5381, 75.6077, 105.1148



30.1947, 33.9341, 62.7165



16.0724, 15.4637, 22.3876



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.



28.3870, 21.0125, 60.3177



39.8626, 26.2853, 97.5803



39.1346, 26.5531, 60.8207



11.0454, 11.0727, 14.1255



9.4089, 4.0580, 36.2436



0.5715, 0.2537, 1.8738

Inverse Universe

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



36.9422, 25.9321, 37.7088



56.0506, 35.6133, 53.9362



31.4054, 48.2980, 21.3035



11.4785, 11.3201, 13.0544



17.7587, 8.9141, 11.7139



0.9536, 0.4749, 0.8016

Previews

White Background



This preview shows how the XYZ color 28.3862, 21.0117, 60.3172 looks on a white background.

Color Contrast Check

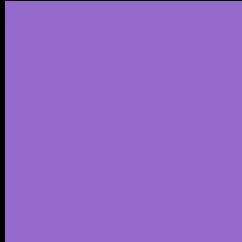
Large Text (above 18pt) WCAG AA ✓ Pass

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 28.3862, 21.0117, 60.3172 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

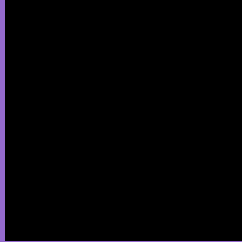
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 28.3862, 21.0117, 60.3172

Background



This preview shows how black text looks on a background with the XYZ color 28.3862, 21.0117, 60.3172.



This preview shows how white text looks on a background with the XYZ color 28.3862, 21.0117,

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

28.3862, 21.0117, 60.3172

Protanopia

23.6138, 21.1802, 71.2502

Deuteranopia

21.8783, 21.3271, 58.2218



Tritanopia

21.3083, 21.0103, 25.1226

Trichromacy



Original Color

28.3862, 21.0117, 60.3172

Protanomaly

24.5709, 20.6930, 66.9891

Deuteranomaly

23.4418, 20.6461, 58.6267

Tritanomaly

23.4345, 20.8012, 35.5808

Monochromacy



Original Color

28.3862, 21.0117, 60.3172

Achromatopsia

21.2178, 22.3228, 24.3095

Achromatomaly

23.2397, 21.4274, 34.8093

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.3862, 21.0117, 60.3172 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(148, 106, 205)` looks like.

```
.text, #text, p{  
    color:rgb(148, 106, 205)  
}
```

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(148, 106, 205) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(148, 106, 205) }
```

Border

The CSS property to change the border of an element to XYZ 28.3862, 21.0117, 60.3172 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(148, 106, 205) }
```


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

```
.border{ border-color:rgb(148, 106, 205) }
```

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

Here you see how a box with a 4 pixel `rgb(148, 106, 205)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(148, 106, 205); -webkit-box-shadow:4px 4px 4px 4px rgb(148, 106, 205); box-shadow:4px 4px 4px 4px rgb(148, 106, 205) }
```

Background

The CSS property to change the background color of an element to XYZ 28.3862, 21.0117, 60.3172 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(148, 106, 205) }
```

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

```
.background{ background-color: rgb(148,  
106, 205) }
```

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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