

Converting Colors

XYZ(20.3278, 27.7446, 16.6236)

Have a look what the booklet for
XYZ(20.3278, 27.7446, 16.6236)
contains.

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Color

**XYZ(20.4218, 27.9047,
16.6217)**

Conversions

Conversions Part 1

Format	Color
Hex	6C9C65
RGB	108, 156, 101
RGB Percent	42%, 61%, 40%
CMY	0.5765, 0.3882, 0.6039
CMYK	0.31, 0.00, 0.35, 0.39
HSL	112°, 22%, 50%
HSV	112°, 35%, 61%
XYZ	20.4218, 27.9047, 16.6217
YIQ	135.3780, -10.9530, -27.2810

Conversions

Conversions Part 2

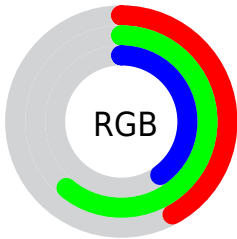
Format	Color
RYB	101, 156, 149
Decimal	7117925
CIELab	59.80, -27.26, 23.80
CIELCh	60, 36.194, 138.875
Yxy	27.9047, 0.3144, 0.4296
Android (android.graphics.Color)	4285308005 (0xFF6C9C65)
YUV	135.3780, -16.9484, -24.0105
Hunter-Lab	52.8249, -23.4365, 18.3214

Details

The XYZ color **20.4218, 27.9047, 16.6217** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **23.0501, 18.0980, 33.7324**, and the grayscale version is **23.2342, 24.4442, 26.6197**.

A 20% lighter version of the original color is **43.6597, 56.4326, 38.2972**, and **7.3378, 11.0572, 5.1157** is the 20% darker color. If you saturate the color by 10%, you get **18.2005, 26.8405, 12.8996**, and if you desaturate by 10%, it is **23.0483, 29.1627, 21.1213**.

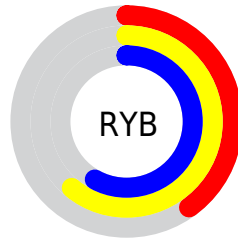
Distribution



Red (42%)

Green (61%)

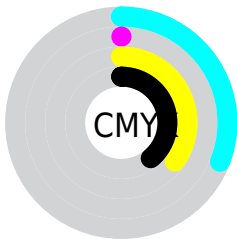
Blue (40%)



Red (40%)

Yellow (61%)

Blue (58%)

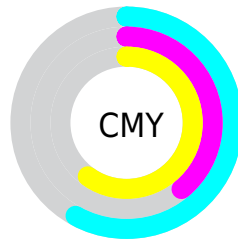


Cyan (31%)

Magenta (0%)

Yellow (35%)

Black (39%)



Cyan (58%)


Magenta (39%)


Yellow (60%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 20.4218, 27.9047, 16.6217 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 20.4218, 27.9047, 16.6217 by changing the saturation by 10% instead.


 20.4218, 27.9047,
16.6217


 20.4218, 27.9047,
16.6217


246.9798,
292.0113, 244.9525


 12.8121, 18.2538,
9.8060


 43.6218, 56.3323,
38.4559

 7.3754, 11.1324,
5.1666


 59.9428, 75.8777,
54.3115

 3.7463, 6.1559,
2.2849

 79.8982, 99.4902,
74.0175

 1.5597, 2.9401,
0.7227

 103.8535,
127.5541, 97.9925

 0.3659, 1.1006,
0.0000

132.1739,
160.4537, 126.6549

 0.0000, 0.0000,
0.0000

165.2249,

198.5735, 160.4234

203.3717,
242.2979, 199.7164

■ 20.4218, 27.9047,
16.6217

■ 20.4218, 27.9047,
16.6217

■ 18.2005, 26.8405,
12.8996

■ 23.0483, 29.1627,
21.1213

■ 16.3620, 25.9570,
9.9093

■ 26.0966, 30.6196,
26.4372

■ 14.8850, 25.2451,
7.6030


■ 29.5851, 32.2851,
32.6075


■ 13.7454, 24.6935,
5.9268


■ 33.5303, 34.1667,
39.6675


■ 12.9159, 24.2896,
4.8182


■ 37.9478, 36.2719,
47.6507


 12.3635, 24.0180,
4.1968

 42.8528, 38.6078,
56.5885

 12.1745, 23.9253,
3.9764

 48.2596, 41.1810,
66.5113

 54.1817, 43.9981,
77.4476

 60.6325, 47.0651,
89.4251

Harmonies

Analogous

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



23.7722, 27.9047, 12.2105



20.4218, 27.9047, 16.6217



18.7802, 27.9047, 25.7686

Triad

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



20.4218, 27.9047, 16.6217



24.8580, 27.9047, 62.4916



35.7673, 27.9047, 22.9271

Complementary

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



20.4218, 27.9047, 16.6217



23.0501, 18.0980, 33.7324

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.



36.1450, 27.9047, 35.5188



20.4218, 27.9047, 16.6217



29.4774, 27.9047, 61.0742

Square

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



20.4218, 27.9047, 16.6217



21.1377, 27.9047, 53.6406



33.7314, 27.9047, 50.1930



32.7521, 27.9047, 15.0596

Rectangle

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



20.4218, 27.9047, 16.6217



18.7325, 27.9047, 34.4467



33.7314, 27.9047, 50.1930



36.2189, 27.9047, 26.6530

Sweetspot

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



20.4225, 27.9059, 16.6223



49.8578, 56.7867, 52.3511



26.7553, 29.3984, 16.5766



10.8018, 12.4148, 11.2210



74.8435, 78.7412, 85.7492



12.6291, 13.2868, 14.4694

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



20.4225, 27.9059, 16.6223



33.9691, 49.1860, 24.9429



20.7176, 27.9295, 22.4425



6.6253, 7.4395, 7.0724



10.0451, 19.7152, 3.2760



0.1995, 0.3627, 0.0595

Inverse Universe

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



23.0501, 18.0980, 33.7324



39.4323, 28.7422, 60.5962



22.7971, 18.1488, 25.5331



6.8211, 6.7117, 8.3427



13.3460, 6.3092, 26.4216



0.2596, 0.1236, 0.4734

Previews

White Background



This preview shows how the XYZ color 20.4218, 27.9047, 16.6217 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 20.4218, 27.9047, 16.6217 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 20.4218, 27.9047, 16.6217

Background



This preview shows how black text looks on a background with the XYZ color 20.4218, 27.9047, 16.6217.



This preview shows how white text looks on a background with the XYZ color 20.4218, 27.9047,

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

20.4218, 27.9047, 16.6217

Protanopia

25.6441, 27.5574, 15.0338

Deuteranopia

28.2158, 27.7429, 17.2324



Tritanopia

24.7882, 27.9900, 37.8144

Trichromacy



Original Color

20.4218, 27.9047, 16.6217

Protanomaly

23.4420, 27.5506, 15.6376

Deuteranomaly

24.6567, 27.4533, 17.0962

Tritanomaly

22.9587, 27.9654, 28.6139

Monochromacy



Original Color

20.4218, 27.9047, 16.6217

Achromatopsia

23.0288, 24.2281, 26.3844

Achromatomaly

21.8551, 25.4350, 22.4964

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.4218, 27.9047, 16.6217 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(108, 156, 101)` looks like.

```
.text, #text, p{  
    color:rgb(108, 156, 101)  
}
```

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(108, 156, 101) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(108, 156, 101) }
```

Border

The CSS property to change the border of an element to XYZ 20.4218, 27.9047, 16.6217 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(108, 156, 101) }
```


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

```
.border{ border-color:rgb(108, 156, 101) }
```

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

Here you see how a box with a 4 pixel `rgb(108, 156, 101)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(108, 156, 101); -webkit-box-  
shadow:4px 4px 4px 4px rgb(108, 156, 101);  
box-shadow:4px 4px 4px 4px rgb(108, 156,  
101) }
```

Background

The CSS property to change the background color of an element to XYZ 20.4218, 27.9047, 16.6217 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(108, 156, 101) }
```

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

```
.background{ background-color: rgb(108,  
156, 101) }
```

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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