

Converting Colors

XYZ(20.6727, 28.0028, 16.1617)

Have a look what the booklet for
XYZ(20.6727, 28.0028, 16.1617)
contains.

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Color

**XYZ(20.6961, 28.0573,
16.1292)**

Conversions

Conversions Part 1

Format	Color
Hex	6F9C63
RGB	111, 156, 99
RGB Percent	44%, 61%, 39%
CMY	0.5647, 0.3882, 0.6118
CMYK	0.29, 0.00, 0.37, 0.39
HSL	107°, 22%, 50%
HSV	107°, 37%, 61%
XYZ	20.6961, 28.0573, 16.1292
YIQ	136.0470, -8.5230, -27.2670

Conversions

Conversions Part 2

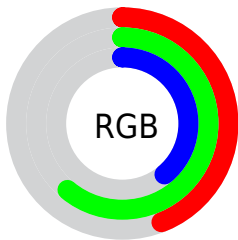
Format	Color
R_{YB}	99, 156, 144
Decimal	7314531
CIE _{Lab}	59.94, -26.52, 25.11
CIE _{LCh}	60, 36.523, 136.570
Yxy	28.0573, 0.3190, 0.4324
Android (android.graphics.Color)	4285504611 (0xFF6F9C63)
YUV	136.0470, -18.2642, -21.9662
Hunter-Lab	52.9691, -22.9525, 19.0245

Details

The XYZ color **20.6961, 28.0573, 16.1292** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **21.9656, 17.2542, 33.6267**, and the grayscale version is **23.4885, 24.7117, 26.9110**.

A 20% lighter version of the original color is **44.1091, 56.6831, 37.4703**, and **7.4723, 11.1317, 4.8868** is the 20% darker color. If you saturate the color by 10%, you get **18.5770, 27.0437, 12.5060**, and if you desaturate by 10%, it is **23.1745, 29.2411, 20.5225**.

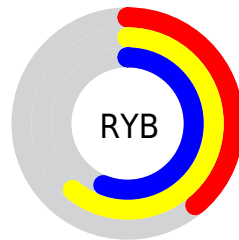
Distribution



Red (44%)

Green (61%)

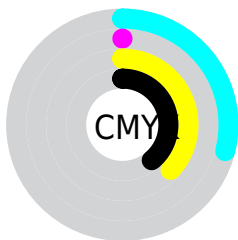
Blue (39%)



Red (39%)

Yellow (61%)

Blue (56%)

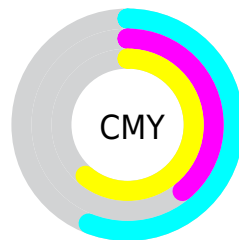


Cyan (29%)

Magenta (0%)

Yellow (37%)

Black (39%)



Cyan (56%)

Magenta (39%)

Yellow (61%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.6961, 28.0573, 16.1292 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 20.6961, 28.0573, 16.1292 by changing the saturation by 10% instead.

■ 20.6961, 28.0573,
16.1292

■ 20.6961, 28.0573,
16.1292

248.4214,
292.7406, 241.9746

■ 13.0132, 18.3689,
9.4603

■ 44.0763, 56.5759,
37.5923

■ 7.5147, 11.2151,
4.9417

■ 60.5044, 76.1749,
53.2235

■ 3.8352, 6.2117,
2.1550

■ 80.5782, 99.8461,
72.6792

■ 1.6093, 2.9742,
0.6482

■ 104.6631,
127.9741, 96.3780

■ 0.3985, 1.1183,
0.0000

133.1246,
160.9431, 124.7384

■ 0.0000, 0.0000,
0.0000

166.3279,

199.1376, 158.1789

204.6384,
242.9420, 197.1182

■ 20.6961, 28.0573,
16.1292

■ 20.6961, 28.0573,
16.1292

■ 18.5770, 27.0437,
12.5060

■ 23.1745, 29.2411,
20.5225

■ 16.7980, 26.1889,
9.6067

■ 26.0258, 30.5988,
25.7249

■ 15.3413, 25.4857,
7.3832


■ 29.2657, 32.1385,
31.7747


■ 14.1867, 24.9247,
5.7808


■ 32.9083, 33.8667,
38.7074


■ 13.3112, 24.4956,
4.7360

■ 36.9668, 35.7894,
46.5565


 12.6852, 24.1851,
4.1547

 41.4540, 37.9125,
55.3537

 12.5110, 24.0988,
3.9921

 46.3821, 40.2418,
65.1292

 51.7627, 42.7825,
75.9118

 57.6072, 45.5400,
87.7292

Harmonies

Analogous

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



24.2021, 28.0573, 12.0135



20.6961, 28.0573, 16.1292



18.8933, 28.0573, 24.9882

Triad

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



20.6961, 28.0573, 16.1292



24.6476, 28.0573, 62.7725



36.1712, 28.0573, 23.8235

Complementary

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



20.6961, 28.0573, 16.1292



21.9656, 17.2542, 33.6267

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.



36.3265, 28.0573, 36.8805



20.6961, 28.0573, 16.1292



29.2952, 28.0573, 62.1885

Square

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



20.6961, 28.0573, 16.1292



20.9895, 28.0573, 53.1303



33.6897, 28.0573, 51.7109



33.2872, 28.0573, 15.4909

Rectangle

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



20.6961, 28.0573, 16.1292



18.7463, 28.0573, 33.5689



33.6897, 28.0573, 51.7109



36.5550, 28.0573, 27.7171

Sweetspot

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



20.6968, 28.0585, 16.1298



50.3096, 57.0196, 52.3722



25.8840, 27.8108, 15.8086



10.9106, 12.4709, 11.2261



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.



20.6968, 28.0585, 16.1298



34.3378, 49.4035, 23.7174



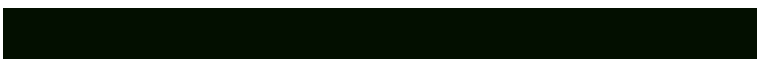
20.1381, 27.6722, 20.5455



6.6748, 7.4650, 7.0748



10.3296, 19.8618, 3.2893



0.2154, 0.3710, 0.0603

Inverse Universe

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



21.9656, 17.2542, 33.6267



36.9768, 26.7760, 60.3461



22.8958, 17.8814, 26.9989



6.7674, 6.6841, 8.3402



11.7197, 5.4707, 26.3455



0.2411, 0.1141, 0.4725

Previews

White Background



This preview shows how the XYZ color 20.6961, 28.0573, 16.1292 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 20.6961, 28.0573, 16.1292 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

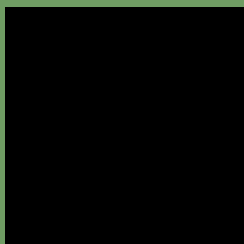
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 20.6961, 28.0573, 16.1292

Background



This preview shows how black text looks on a background with the XYZ color 20.6961, 28.0573, 16.1292.



This preview shows how white text looks on a background with the XYZ color 20.6961, 28.0573,

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

20.6961, 28.0573, 16.1292

Protanopia

25.7039, 27.8226, 14.6052

Deuteranopia

28.3312, 27.8142, 16.7074



Tritanopia

24.9778, 28.0979, 37.3647

Trichromacy



Original Color

20.6961, 28.0573, 16.1292

Protanomaly

23.5164, 27.5998, 15.1542

Deuteranomaly

24.9181, 27.5997, 16.5843

Tritanomaly

23.1518, 28.0734, 28.2432

Monochromacy



Original Color

20.6961, 28.0573, 16.1292

Achromatopsia

23.4014, 24.6201, 26.8113

Achromatomaly

22.1500, 25.5870, 22.5102

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.6961, 28.0573, 16.1292 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(111, 156, 99)` looks like.

```
.text, #text, p{  
    color:rgb(111, 156, 99)  
}
```

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(111, 156, 99) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(111, 156, 99) }
```

Border

The CSS property to change the border of an element to XYZ 20.6961, 28.0573, 16.1292 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(111, 156, 99) }
```


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

```
.border{ border-color:rgb(111, 156, 99) }
```

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

Here you see how a box with a 4 pixel `rgb(111, 156, 99)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(111, 156, 99); -webkit-box-  
shadow:4px 4px 4px 4px rgb(111, 156, 99);  
box-shadow:4px 4px 4px 4px rgb(111, 156,  
99) }
```

Background

The CSS property to change the background color of an element to XYZ 20.6961, 28.0573, 16.1292 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(111, 156, 99) }
```

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

```
.background{ background-color: rgb(111,  
156, 99) }
```

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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