

Converting Colors

XYZ(20.0865, 28.0055, 6.6355)

Have a look what the booklet for
XYZ(20.0865, 28.0055, 6.6355)
contains.

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Color

**XYZ(20.0702, 27.9444,
6.6215)**

Conversions

Conversions Part 1

Format	Color
Hex	789C2B
RGB	120, 156, 43
RGB Percent	47%, 61%, 17%
CMY	0.5294, 0.3882, 0.8314
CMYK	0.23, 0.00, 0.72, 0.39
HSL	79°, 57%, 39%
HSV	79°, 72%, 61%
XYZ	20.0702, 27.9444, 6.6215
YIQ	132.3540, 14.8170, -42.7750

Conversions

Conversions Part 2

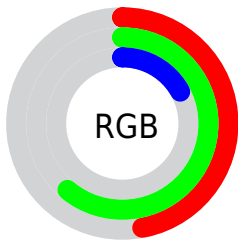
Format	Color
R_{YB}	43, 156, 79
Decimal	7904299
CIE _{Lab}	59.84, -29.15, 52.11
CIE _{LCh}	60, 59.705, 119.222
Yxy	27.9444, 0.3673, 0.5115
Android (android.graphics.Color)	4286094379 (0xFF789C2B)
YUV	132.3540, -44.0515, -10.8345
Hunter-Lab	52.8625, -24.7385, 29.5771

Details

The XYZ color **20.0702, 27.9444, 6.6215** is a dark color, and the websafe version is hex **669933**. A complement of this color would be **10.0902, 5.7911, 32.0401**, and the grayscale version is **22.2113, 23.3680, 25.4478**.

A 20% lighter version of the original color is **43.0848, 56.5470, 19.7102**, and **7.3663, 11.2964, 1.7922** is the 20% darker color. If you saturate the color by 10%, you get **19.1656, 27.5060, 5.3606**, and if you desaturate by 10%, it is **21.1214, 28.4476, 8.4618**.

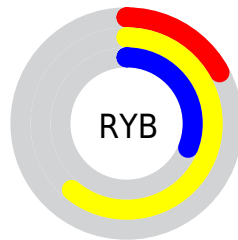
Distribution



Red (47%)

Green (61%)

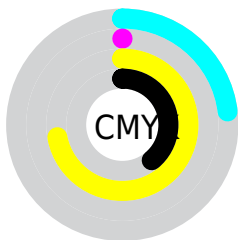
Blue (17%)



Red (17%)

Yellow (61%)

Blue (31%)

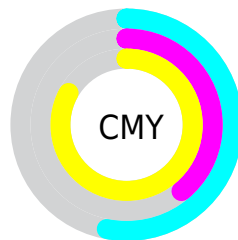


Cyan (23%)

Magenta (0%)

Yellow (72%)

Black (39%)



Cyan (53%)

Magenta (39%)

Yellow (83%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.0702, 27.9444, 6.6215 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 20.0702, 27.9444, 6.6215 by changing the saturation by 10% instead.

■ 20.0702, 27.9444,
6.6215

■ 20.0702, 27.9444,
6.6215

245.1212,
292.2011, 173.9904

■ 12.5546, 18.2838,
3.1517

■ 43.0379, 56.3957,
19.7074

■ 7.1975, 11.1539,
1.1726

■ 59.2207, 75.9551,
30.1605

■ 3.6333, 6.1704,
0.0000

■ 79.0234, 99.5828,
43.7785

■ 1.4969, 2.9490,
0.0000

■ 102.8112,
127.6634, 60.9799

■ 0.3237, 1.1052,
0.0000

■ 130.9495,
160.5811, 82.1833

■ 0.0000, 0.0000,
0.0000

■ 163.8038,

198.7204, 107.8071

201.7392,
242.4656, 138.2699

■ 20.0702, 27.9444,
6.6215

■ 20.0702, 27.9444,
6.6215

■ 19.1656, 27.5060,
5.3606

■ 21.1214, 28.4476,
8.4618

■ 18.3919, 27.1230,
4.6075

■ 22.3289, 29.0165,
10.9387

■ 17.8683, 26.8606,
4.2429

■ 23.7037, 29.6566,
14.1044

■ 25.2551, 30.3716,
18.0054

■ 26.9917, 31.1651,
22.6839

■ 28.9214, 32.0403,
28.1792

■ 31.0516, 33.0001,
34.5277

■ 33.3892, 34.0475,
41.7636

■ 35.9408, 35.1850,
49.9195

Harmonies

Analogous

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



26.7585, 27.9444, 4.8830



20.0702, 27.9444, 6.6215



15.9162, 27.9444, 13.6938

Triad

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



20.0702, 27.9444, 6.6215



19.7875, 27.9444, 82.1208



43.9317, 27.9444, 30.9964

Complementary

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



20.0702, 27.9444, 6.6215



10.0902, 5.7911, 32.0401

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.



41.1285, 27.9444, 57.1265



20.0702, 27.9444, 6.6215



26.3631, 27.9444, 94.0262

Square

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



20.0702, 27.9444, 6.6215



15.7761, 27.9444, 55.6471



34.3174, 27.9444, 83.2232



41.3937, 27.9444, 14.2778

Rectangle

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



20.0702, 27.9444, 6.6215



14.6755, 27.9444, 23.2789



34.3174, 27.9444, 83.2232



43.5754, 27.9444, 38.9057

Sweetspot

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



20.0709, 27.9456, 6.6221



49.0217, 56.6017, 41.1970



16.9278, 12.8041, 3.8651



10.6080, 12.3733, 8.5723



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.



20.0709, 27.9456, 6.6221



33.8988, 49.5075, 8.7773



14.4214, 25.0333, 6.3577



6.9645, 7.6143, 7.0883



14.7543, 22.1429, 3.4964



0.3056, 0.4175, 0.0645

Inverse Universe

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



10.0902, 5.7911, 32.0401



14.8535, 6.9638, 57.6880



16.9030, 9.3032, 32.3589



6.4738, 6.5327, 8.3264



6.0471, 2.5464, 26.0800



0.1494, 0.0668, 0.4683

Previews

White Background



This preview shows how the XYZ color 20.0702, 27.9444, 6.6215 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 20.0702, 27.9444, 6.6215 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 20.0702, 27.9444, 6.6215

Background



This preview shows how black text looks on a background with the XYZ color 20.0702, 27.9444, 6.6215.



This preview shows how white text looks on a background with the XYZ color 20.0702, 27.9444,

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

20.0702, 27.9444, 6.6215

Protanopia

25.0542, 27.6768, 6.0291

Deuteranopia

28.3656, 27.8336, 7.0094



Tritanopia

26.0376, 27.9786, 35.9264

Trichromacy



Original Color

20.0702, 27.9444, 6.6215

Protanomaly

22.8442, 27.4509, 6.1924

Deuteranomaly

24.6073, 27.4290, 6.7937

Tritanomaly

22.9608, 27.6628, 20.6523

Monochromacy



Original Color

20.0702, 27.9444, 6.6215

Achromatopsia

21.9318, 23.0740, 25.1276

Achromatomaly

20.7272, 24.5590, 15.7045

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.0702, 27.9444, 6.6215 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(120, 156, 43)` looks like.

```
.text, #text, p{  
    color:rgb(120, 156, 43)  
}
```

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(120, 156, 43) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(120, 156, 43) }
```

Border

The CSS property to change the border of an element to XYZ 20.0702, 27.9444, 6.6215 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(120, 156, 43) }
```


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

```
.border{ border-color:rgb(120, 156, 43) }
```

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

Here you see how a box with a 4 pixel `rgb(120, 156, 43)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(120, 156, 43); -webkit-box-  
shadow:4px 4px 4px 4px rgb(120, 156, 43);  
box-shadow:4px 4px 4px 4px rgb(120, 156,  
43) }
```

Background

The CSS property to change the background color of an element to XYZ 20.0702, 27.9444, 6.6215 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(120, 156, 43) }
```

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

```
.background{ background-color: rgb(120,  
156, 43) }
```

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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