

Converting Colors

XYZ(20.0649, 29.6341, 11.8717)

Have a look what the booklet for
XYZ(20.0649, 29.6341, 11.8717)
contains.

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Color

**XYZ(20.0659, 29.6280,
11.8689)**

Conversions

Conversions Part 1

Format	Color
Hex	67A34E
RGB	103, 163, 78
RGB Percent	40%, 64%, 31%
CMY	0.5961, 0.3608, 0.6941
CMYK	0.37, 0.00, 0.52, 0.36
HSL	102°, 35%, 47%
HSV	102°, 52%, 64%
XYZ	20.0659, 29.6280, 11.8689
YIQ	135.3700, -8.4750, -39.1550

Conversions

Conversions Part 2

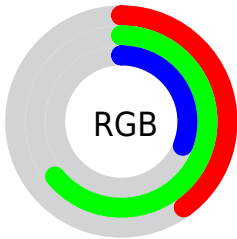
Format	Color
RYB	78, 163, 138
Decimal	6792014
CIELab	61.33, -35.61, 37.79
CIElCh	61, 51.923, 133.294
Yxy	29.6280, 0.3259, 0.4813
Android (android.graphics.Color)	4284982094 (0xFF67A34E)
YUV	135.3700, -28.2834, -28.3885
Hunter-Lab	54.4316, -29.4523, 25.1738

Details

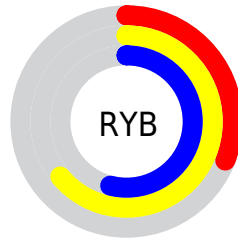
The XYZ color **20.0659, 29.6280, 11.8689** is a dark color, and the websafe version is hex **669933**. A complement of this color would be **19.8177, 13.4972, 36.2126**, and the grayscale version is **23.2715, 24.4835, 26.6625**.

A 20% lighter version of the original color is **42.9385, 58.8959, 29.8738**, and **7.2216, 12.1357, 3.1242** is the 20% darker color. If you saturate the color by 10%, you get **18.3224, 28.7895, 9.1059**, and if you desaturate by 10%, it is **22.1374, 30.6207, 15.4046**.

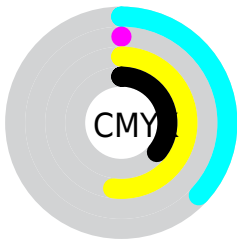
Distribution



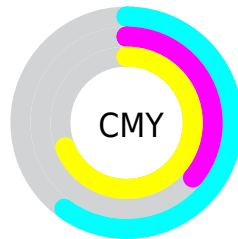
- Red (40%)
- Green (64%)
- Blue (31%)



- Red (31%)
- Yellow (64%)
- Blue (54%)



- Cyan (37%)
- Magenta (0%)
- Yellow (52%)
- Black (36%)



- Cyan (60%)
- Magenta (36%)
- Yellow (69%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.0659, 29.6280, 11.8689 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 20.0659, 29.6280, 11.8689 by changing the saturation by 10% instead.

■ 20.0659, 29.6280,
11.8689

■ 20.0659, 29.6280,
11.8689

245.0984,
300.1666, 214.4825

■ 12.5515, 19.5564,
6.5330

■ 43.0307, 59.0734,
29.9169

■ 7.1953, 12.0730,
3.0978

■ 59.2119, 79.2160,
43.4661

■ 3.6320, 6.7934,
1.1448

■ 79.0127, 103.4843,
60.5902

■ 1.4961, 3.3332,
0.0000

■ 102.7984,
132.2628, 81.7077

■ 0.3232, 1.3081,
0.0000

■ 130.9345,
165.9359, 107.2371

■ 0.0000, 0.1475,
0.0000

163.7863,

■ 0.0000, 0.0000,

204.8880, 137.5970

0.0000

201.7192,
249.5034, 173.2060

■ 20.0659, 29.6280,
11.8689

■ 20.0659, 29.6280,
11.8689

■ 18.3224, 28.7895,
9.1059

■ 22.1374, 30.6207,
15.4046

■ 16.8865, 28.0931,
7.0559

■ 24.5514, 31.7712,
19.7630

■ 15.7384, 27.5311,
5.6535

■ 27.3243, 33.0878,
24.9921

■ 14.8551, 27.0932,
4.8206

■ 30.4704, 34.5770,
31.1356

■ 14.3138, 26.8225,
4.4228

■ 34.0036, 36.2449,
38.2344

■ 37.9368, 38.0975,
46.3269

■ 42.2824, 40.1403,
55.4493

■ 47.0521, 42.3787,
65.6360

■ 52.2573, 44.8177,
76.9199

Harmonies

Analogous

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



25.2416, 29.6280, 7.7259



20.0659, 29.6280, 11.8689



17.3431, 29.6280, 22.5933

Triad

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



20.0659, 29.6280, 11.8689



24.5444, 29.6280, 83.4964



43.0074, 29.6280, 24.3463

Complementary

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



20.0659, 29.6280, 11.8689



19.8177, 13.4972, 36.2126

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.



42.7390, 29.6280, 44.3521



20.0659, 29.6280, 11.8689



31.2963, 29.6280, 84.5961

Square

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



20.0659, 29.6280, 11.8689



19.6271, 29.6280, 65.6209



38.1831, 29.6280, 68.2016



38.8659, 29.6280, 12.7025

Rectangle

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



20.0659, 29.6280, 11.8689



16.9596, 29.6280, 34.4742



38.1831, 29.6280, 68.2016



43.4478, 29.6280, 30.1424

Sweetspot

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



20.0666, 29.6293, 11.8696



52.1468, 60.7770, 50.9896



25.4975, 26.3716, 10.9545



11.4657, 13.5337, 10.9715



78.6606, 82.7571, 90.1225



14.0027, 14.7319, 16.0430

Same Dimension

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



20.0666, 29.6293, 11.8696



32.2493, 51.2851, 15.4655



18.3055, 28.6416, 15.3906



7.1722, 7.9913, 7.5445



11.1647, 20.8661, 3.4391



0.2796, 0.4616, 0.0744

Inverse Universe

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



19.8177, 13.4972, 36.2126



31.6950, 19.0488, 64.0624



23.0180, 15.3114, 28.9376



7.1605, 7.0971, 8.8955



10.6860, 4.9153, 27.3153



0.2681, 0.1257, 0.5760

Previews

White Background



This preview shows how the XYZ color 20.0659, 29.6280, 11.8689 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 20.0659, 29.6280, 11.8689 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 20.0659, 29.6280, 11.8689

Background



This preview shows how black text looks on a background with the XYZ color 20.0659, 29.6280, 11.8689.



This preview shows how white text looks on a background with the XYZ color 20.0659, 29.6280,

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

20.0659, 29.6280, 11.8689

Protanopia

26.8968, 29.4474, 10.5696

Deuteranopia

29.9475, 29.3931, 12.4825



Tritanopia

25.7454, 29.3872, 40.3918

Trichromacy



Original Color

20.0659, 29.6280, 11.8689

Protanomaly

23.6457, 28.9532, 10.9989

Deuteranomaly

25.2193, 28.7795, 12.2084

Tritanomaly

23.1701, 29.3459, 26.9974

Monochromacy



Original Color

20.0659, 29.6280, 11.8689

Achromatopsia

23.0288, 24.2281, 26.3844

Achromatomaly

21.3310, 25.6767, 19.7514

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.0659, 29.6280, 11.8689 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(103, 163, 78)` looks like.

```
.text, #text, p{  
    color:rgb(103, 163, 78)  
}
```

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(103, 163, 78) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(103, 163, 78) }
```

Border

The CSS property to change the border of an element to XYZ 20.0659, 29.6280, 11.8689 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(103, 163, 78) }
```


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

```
.border{ border-color:rgb(103, 163, 78) }
```

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

Here you see how a box with a 4 pixel rgb(103, 163, 78) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(103, 163, 78); -webkit-box-  
shadow:4px 4px 4px 4px rgb(103, 163, 78);  
box-shadow:4px 4px 4px 4px rgb(103, 163,  
78) }
```

Background

The CSS property to change the background color of an element to XYZ 20.0659, 29.6280, 11.8689 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(103, 163, 78) }
```

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

```
.background{ background-color: rgb(103,  
163, 78) }
```

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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