

Converting Colors

XYZ(18.7540, 28.0137, 8.5300)

Have a look what the booklet for
XYZ(18.7540, 28.0137, 8.5300)
contains.

XYZ(18.7811, 27.9956, 8.5515)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(18.7811, 27.9956,
8.5515)**

Conversions

Conversions Part 1

Format	Color
Hex	679F3B
RGB	103, 159, 59
RGB Percent	40%, 62%, 23%
CMY	0.5961, 0.3765, 0.7686
CMYK	0.35, 0.00, 0.63, 0.38
HSL	94°, 46%, 43%
HSV	94°, 63%, 62%
XYZ	18.7811, 27.9956, 8.5515
YIQ	130.8560, -1.2760, -42.9720

Conversions

Conversions Part 2

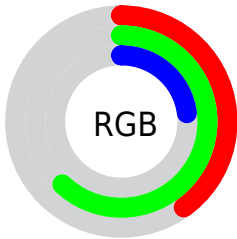
Format	Color
RYB	59, 159, 115
Decimal	6790971
CIELab	59.88, -35.86, 45.19
CIELCh	60, 57.689, 128.438
Yxy	27.9956, 0.3394, 0.5060
Android (android.graphics.Color)	4284981051 (0xFF679F3B)
YUV	130.8560, -35.4250, -24.4297
Hunter-Lab	52.9109, -29.2341, 27.4551

Details

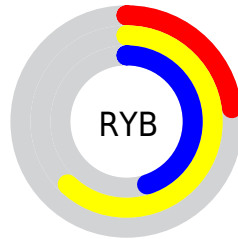
The XYZ color **18.7811, 27.9956, 8.5515** is a dark color, and the websafe version is hex **669933**. A complement of this color would be **14.8935, 9.2768, 33.8081**, and the grayscale version is **21.6454, 22.7727, 24.7995**.

A 20% lighter version of the original color is **40.7657, 56.3870, 23.4871**, and **6.5731, 11.1935, 1.8141** is the 20% darker color. If you saturate the color by 10%, you get **17.4626, 27.3574, 6.6555**, and if you desaturate by 10%, it is **20.3354, 28.7426, 11.1154**.

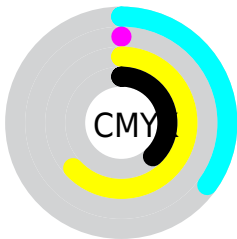
Distribution



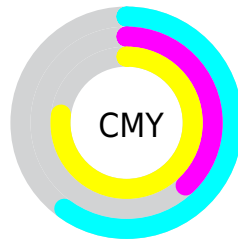
- Red (40%)
- Green (62%)
- Blue (23%)



- Red (23%)
- Yellow (62%)
- Blue (45%)



- Cyan (35%)
- Magenta (0%)
- Yellow (63%)
- Black (38%)



- Cyan (60%)
- Magenta (38%)
- Yellow (77%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.7811, 27.9956, 8.5515 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 18.7811, 27.9956, 8.5515 by changing the saturation by 10% instead.

■ 18.7811, 27.9956,
8.5515

■ 18.7811, 27.9956,
8.5515

238.1990,
292.4459, 190.0891

■ 11.6153, 18.3223,
4.3570

■ 40.8836, 56.4774,
23.5965

■ 6.5526, 11.1817,
1.8232

■ 56.5510, 76.0548,
35.2841

■ 3.2277, 6.1892,
0.4432

■ 75.7830, 99.7023,
50.3065

■ 1.2753, 2.9604,
0.0000

■ 98.9449, 127.8043,
69.0822

■ 0.1646, 1.1111,
0.0000

■ 126.4021,
160.7453, 92.0298

■ 0.0000, 0.0000,
0.0000

■ 158.5200,

198.9096, 119.5678

195.6638,
242.6817, 152.1147

■ 18.7811, 27.9956,
8.5515

■ 18.7811, 27.9956,
8.5515

■ 17.4626, 27.3574,
6.6555

■ 20.3354, 28.7426,
11.1154

■ 16.3626, 26.8178,
5.3632

■ 22.1371, 29.6006,
14.3999

■ 15.4642, 26.3706,
4.6008

■ 24.1992, 30.5760,
18.4548

■ 14.9214, 26.0979,
4.2510

■ 26.5331, 31.6738,
23.3245

■ 29.1495, 32.8986,
29.0505

■ 32.0586, 34.2548,
35.6712

■ 35.2697, 35.7464,
43.2227

■ 38.7921, 37.3773,
51.7391

■ 42.6342, 39.1514,
61.2529

Harmonies

Analogous

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



24.5961, 27.9956, 5.4644



18.7811, 27.9956, 8.5515



15.5455, 27.9956, 17.9355

Triad

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



18.7811, 27.9956, 8.5515



21.7629, 27.9956, 85.4613



43.1065, 27.9956, 24.9404

Complementary

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



18.7811, 27.9956, 8.5515



14.8935, 9.2768, 33.8081

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.



41.9679, 27.9956, 47.8318



18.7811, 27.9956, 8.5515



28.7288, 27.9956, 90.2921

Square

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



18.7811, 27.9956, 8.5515



17.0344, 27.9956, 63.0475



36.3561, 27.9956, 74.2289



39.2305, 27.9956, 11.6592

Rectangle

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



18.7811, 27.9956, 8.5515



14.8706, 27.9956, 29.3964



36.3561, 27.9956, 74.2289



43.3099, 27.9956, 31.5949

Sweetspot

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



18.7818, 27.9968, 8.5521



49.1118, 57.4704, 45.2119



21.1059, 19.7224, 6.8325



10.7951, 12.8268, 9.5942



76.7382, 80.7346, 87.9200



13.3056, 13.9985, 15.2444

Same Dimension

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



18.7818, 27.9968, 8.5521



30.5329, 48.6310, 10.9836



15.1280, 26.0975, 9.0909



6.8138, 7.5367, 7.0813



11.8314, 20.6360, 3.3596



0.2594, 0.3936, 0.0623

Inverse Universe

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



14.8935, 9.2768, 33.8081



22.9658, 12.3436, 59.9156



21.6959, 12.8327, 31.9068



6.6222, 6.6092, 8.3334



8.2487, 3.6814, 26.1831



0.1956, 0.0906, 0.4704

Previews

White Background



This preview shows how the XYZ color 18.7811, 27.9956, 8.5515 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 18.7811, 27.9956, 8.5515 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 18.7811, 27.9956, 8.5515

Background



This preview shows how black text looks on a background with the XYZ color 18.7811, 27.9956, 8.5515.



This preview shows how white text looks on a background with the XYZ color 18.7811, 27.9956,

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

18.7811, 27.9956, 8.5515

Protanopia

25.1601, 27.6959, 7.6342

Deuteranopia

28.2891, 27.7496, 9.0195



Tritanopia

24.6517, 27.9197, 37.8080

Trichromacy



Original Color

18.7811, 27.9956, 8.5515

Protanomaly

22.1087, 27.2694, 7.8396

Deuteranomaly

23.7851, 27.1890, 8.6970

Tritanomaly

21.8394, 27.7484, 23.2737

Monochromacy



Original Color

18.7811, 27.9956, 8.5515

Achromatopsia

21.5731, 22.6966, 24.7166

Achromatomaly

19.9598, 24.1346, 16.9711

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.7811, 27.9956, 8.5515 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, 159, 59)` looks like.

```
.text, #text, p{  
    color:rgb(103, 159, 59)  
}
```

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, 159, 59) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(103, 159, 59) }
```

Border

The CSS property to change the border of an element to XYZ 18.7811, 27.9956, 8.5515 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, 159, 59) }
```


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

```
.border{ border-color:rgb(103, 159, 59) }
```

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

Here you see how a box with a 4 pixel `rgb(103, 159, 59)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(103, 159, 59); -webkit-box-  
shadow:4px 4px 4px 4px rgb(103, 159, 59);  
box-shadow:4px 4px 4px 4px rgb(103, 159,  
59) }
```

Background

The CSS property to change the background color of an element to XYZ 18.7811, 27.9956, 8.5515 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(103, 159, 59) }
```

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

```
.background{ background-color: rgb(103,  
159, 59) }
```

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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