

Converting Colors

XYZ(18.1300, 27.1513, 8.5604)

Have a look what the booklet for
XYZ(18.1300, 27.1513, 8.5604)
contains.

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Color

**XYZ(18.1281, 27.1495,
8.5599)**

Conversions

Conversions Part 1

Format	Color
Hex	649D3C
RGB	100, 157, 60
RGB Percent	39%, 62%, 24%
CMY	0.6078, 0.3843, 0.7647
CMYK	0.36, 0.00, 0.62, 0.38
HSL	95°, 45%, 43%
HSV	95°, 62%, 62%
XYZ	18.1281, 27.1495, 8.5599
YIQ	128.8990, -2.8350, -42.2510

Conversions

Conversions Part 2

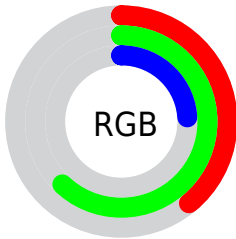
Format	Color
RYB	60, 157, 117
Decimal	6593852
CIELab	59.11, -35.95, 43.83
CIELCh	59, 56.685, 129.360
Yxy	27.1495, 0.3367, 0.5043
Android (android.graphics.Color)	4284783932 (0xFF649D3C)
YUV	128.8990, -33.9672, -25.3444
Hunter-Lab	52.1052, -29.0815, 26.7334

Details

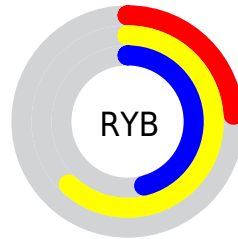
The XYZ color **18.1281, 27.1495, 8.5599** is a dark color, and the websafe version is hex **669933**. A complement of this color would be **15.0391, 9.4488, 32.9309**, and the grayscale version is **20.9474, 22.0383, 23.9997**.

A 20% lighter version of the original color is **39.7392, 55.1047, 23.5807**, and **6.2403, 10.7141, 1.8253** is the 20% darker color. If you saturate the color by 10%, you get **16.8100, 26.5119, 6.6441**, and if you desaturate by 10%, it is **19.6863, 27.8984, 11.1309**.

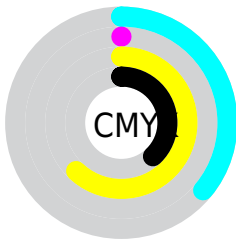
Distribution



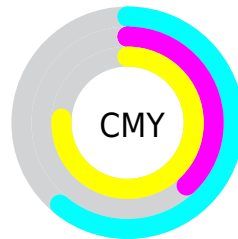
- Red (39%)
- Green (62%)
- Blue (24%)



- Red (24%)
- Yellow (62%)
- Blue (46%)



- Cyan (36%)
- Magenta (0%)
- Yellow (62%)
- Black (38%)



- Cyan (61%)
- Magenta (38%)
- Yellow (76%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.1281, 27.1495, 8.5599 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 18.1281, 27.1495, 8.5599 by changing the saturation by 10% instead.

■ 18.1281, 27.1495,
8.5599

■ 18.1281, 27.1495,
8.5599

234.6237,
288.3802, 190.1555

■ 11.1422, 17.6855,
4.3624

■ 39.7839, 55.1237,
23.6130

■ 6.2306, 10.7245,
1.8262

■ 55.1845, 74.4027,
35.3057

■ 3.0278, 5.8819,
0.4451

■ 74.1207, 97.7221,
50.3338

■ 1.1685, 2.7734,
0.0000

■ 96.9579, 125.4665,
69.1160

■ 0.0813, 1.0146,
0.0000

■ 124.0615,
158.0200, 92.0707

■ 0.0000, 0.0000,
0.0000

■ 155.7967,

195.7673, 119.6165

192.5290,
239.0925, 152.1719

■ 18.1281, 27.1495,
8.5599

■ 18.1281, 27.1495,
8.5599

■ 16.8100, 26.5119,
6.6441

■ 19.6863, 27.8984,
11.1309

■ 15.7148, 25.9754,
5.3223

■ 21.4962, 28.7607,
14.4075

■ 14.8260, 25.5340,
4.5246

■ 23.5708, 29.7432,
18.4373

■ 14.2202, 25.2300,
4.1204

■ 25.9215, 30.8507,
23.2633

■ 28.5592, 32.0878,
28.9251

■ 31.4939, 33.4591,
35.4598

■ 34.7352, 34.9687,
42.9021

■ 38.2922, 36.6206,
51.2851

■ 42.1737, 38.4185,
60.6400

Harmonies

Analogous

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



23.6625, 27.1495, 5.4207



18.1281, 27.1495, 8.5599



15.0856, 27.1495, 17.8811

Triad

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



18.1281, 27.1495, 8.5599



21.3160, 27.1495, 82.7979



41.6214, 27.1495, 23.6865

Complementary

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



18.1281, 27.1495, 8.5599



15.0391, 9.4488, 32.9309

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.



40.6804, 27.1495, 45.4633



18.1281, 27.1495, 8.5599



28.0726, 27.1495, 86.7837

Square

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



18.1281, 27.1495, 8.5599



16.6799, 27.1495, 61.6449



35.3904, 27.1495, 70.8760



37.7668, 27.1495, 11.1448

Rectangle

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



18.1281, 27.1495, 8.5599



14.4861, 27.1495, 29.1301



35.3904, 27.1495, 70.8760



41.8690, 27.1495, 29.9966

Sweetspot

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



18.1287, 27.1507, 8.5605



47.5145, 55.7617, 43.9708



21.0342, 20.1211, 7.0505



10.1907, 12.1457, 9.1169



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.



18.1287, 27.1507, 8.5605



29.3444, 47.1074, 10.9190



14.9672, 25.4942, 9.6147



6.7969, 7.5279, 7.0805



11.5891, 20.5111, 3.3482



0.2541, 0.3909, 0.0621

Inverse Universe

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



15.0391, 9.4488, 32.9309



23.2871, 12.6385, 58.3388



20.9397, 12.5678, 29.7225



6.6394, 6.6181, 8.3342



8.5916, 3.8582, 26.1991



0.2009, 0.0934, 0.4707

Previews

White Background



This preview shows how the XYZ color 18.1281, 27.1495, 8.5599 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 18.1281, 27.1495, 8.5599 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 18.1281, 27.1495, 8.5599

Background



This preview shows how black text looks on a background with the XYZ color 18.1281, 27.1495, 8.5599.



This preview shows how white text looks on a background with the XYZ color 18.1281, 27.1495,

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

18.1281, 27.1495, 8.5599

Protanopia

24.4874, 26.9006, 7.6431

Deuteranopia

27.3563, 26.8472, 9.0504



Tritanopia

23.7620, 27.0155, 36.7630

Trichromacy



Original Color

18.1281, 27.1495, 8.5599

Protanomaly

21.4888, 26.4812, 7.8497

Deuteranomaly

22.9606, 26.3110, 8.7189

Tritanomaly

21.0722, 26.8783, 22.8163

Monochromacy



Original Color

18.1281, 27.1495, 8.5599

Achromatopsia

20.8660, 21.9526, 23.9064

Achromatomaly

19.2025, 23.3163, 16.5851

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.1281, 27.1495, 8.5599 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(100, 157, 60)` looks like.

```
.text, #text, p{  
    color:rgb(100, 157, 60)  
}
```

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(100, 157, 60) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(100, 157, 60) }
```

Border

The CSS property to change the border of an element to XYZ 18.1281, 27.1495, 8.5599 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(100, 157, 60) }
```


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

```
.border{ border-color:rgb(100, 157, 60) }
```

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

Here you see how a box with a 4 pixel `rgb(100, 157, 60)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(100, 157, 60); -webkit-box-  
shadow:4px 4px 4px 4px rgb(100, 157, 60);  
box-shadow:4px 4px 4px 4px rgb(100, 157,  
60) }
```

Background

The CSS property to change the background color of an element to XYZ 18.1281, 27.1495, 8.5599 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(100, 157, 60) }
```

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

```
.background{ background-color: rgb(100,  
157, 60) }
```

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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