

Converting Colors

XYZ(14.8492, 27.8740, 8.3839)

Have a look what the booklet for
XYZ(14.8492, 27.8740, 8.3839)
contains.

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Color

**XYZ(14.8020, 27.7910,
8.3254)**

Conversions

Conversions Part 1

Format	Color
Hex	1BA638
RGB	27, 166, 56
RGB Percent	11%, 65%, 22%
CMY	0.8941, 0.3490, 0.7804
CMYK	0.84, 0.00, 0.66, 0.35
HSL	133°, 72%, 38%
HSV	133°, 84%, 65%
XYZ	14.8020, 27.7910, 8.3254
YIQ	111.8990, -47.5340, -63.6780

Conversions

Conversions Part 2

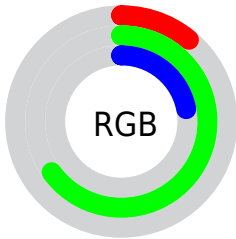
Format	Color
R_{YB}	27, 142, 166
Decimal	1812024
CIE Lab	59.70, -57.28, 45.63
CIE LCh	60, 73.235, 141.461
Yxy	27.7910, 0.2907, 0.5458
Android (android.graphics.Color)	4280002104 (0xFF1BA638)
YUV	111.8990, -27.5582, -74.4564
Hunter-Lab	52.7172, -42.1356, 27.5386

Details

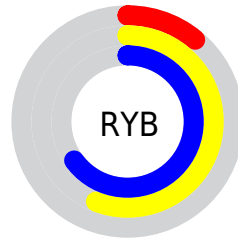
The XYZ color **14.8020, 27.7910, 8.3254** is a dark color, and the websafe version is hex **009933**. A complement of this color would be **20.6338, 10.6973, 24.6441**, and the grayscale version is **15.4602, 16.2654, 17.7130**.

A 20% lighter version of the original color is **33.9736, 55.9779, 23.2016**, and **5.7942, 11.5883, 1.9314** is the 20% darker color. If you saturate the color by 10%, you get **14.2006, 27.5141, 6.8350**, and if you desaturate by 10%, it is **15.7369, 28.2316, 10.2728**.

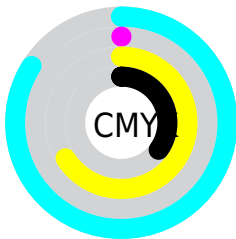
Distribution



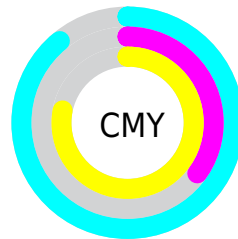
- Red (11%)
- Green (65%)
- Blue (22%)



- Red (11%)
- Yellow (56%)
- Blue (65%)



- Cyan (84%)
- Magenta (0%)
- Yellow (66%)
- Black (35%)



- Cyan (89%)
- Magenta (35%)
- Yellow (78%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 14.8020, 27.7910, 8.3254 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 14.8020, 27.7910, 8.3254 by changing the saturation by 10% instead.

■ 14.8020, 27.7910,
8.3254

■ 14.8020, 27.7910,
8.3254

215.5769,
291.4669, 188.2913

■ 8.7660, 18.1682,
4.2131

■ 34.0800, 56.1506,
23.1505

■ 4.6447, 11.0708,
1.7430

■ 48.0526, 75.6561,
34.7005

■ 2.0730, 6.1145,
0.3899

■ 65.4015, 99.2247,
49.5667

■ 0.6744, 2.9148,
0.0000

■ 86.4919, 127.2407,
68.1678

■ 0.0000, 1.0874,
0.0000

■ 111.6894,
160.0886, 90.9223

■ 0.0000, 0.0000,
0.0000

■ 141.3591,

198.1526, 118.2487

175.8665,
241.8172, 150.5655

■ 14.8020, 27.7910,
8.3254

■ 14.8020, 27.7910,
8.3254

■ 14.2006, 27.5141,
6.8350

■ 15.7369, 28.2316,
10.2728

■ 13.9348, 27.3928,
6.1149

■ 17.0459, 28.8539,
12.7088

■ 18.7657, 29.6768,
15.6643

■ 20.9278, 30.7162,
19.1670

■ 23.5608, 31.9860,
23.2427

■ 26.6907, 33.4994,
27.9156

■ 30.3416, 35.2681,
33.2084

■ 34.5360, 37.3034,
39.1427

■ 39.2951, 39.6158,
45.7390

Harmonies

Analogous

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



20.4269, 27.7910, 3.3004



14.8020, 27.7910, 8.3254



12.4408, 27.7910, 23.3092

Triad

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



14.8020, 27.7910, 8.3254



23.8607, 27.7910, 113.7548



46.6657, 27.7910, 15.1872

Complementary

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



14.8020, 27.7910, 8.3254



20.6338, 10.6973, 24.6441

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.



48.1962, 27.7910, 38.4704



14.8020, 27.7910, 8.3254



33.4709, 27.7910, 106.7308

Square

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



14.8020, 27.7910, 8.3254



16.8105, 27.7910, 90.1478



42.9118, 27.7910, 74.3840



39.1178, 27.7910, 5.3455

Rectangle

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



14.8020, 27.7910, 8.3254



12.5364, 27.7910, 41.5518



42.9118, 27.7910, 74.3840



47.9614, 27.7910, 21.2246

Sweetspot

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



14.8027, 27.7921, 8.3260



47.3905, 60.2882, 49.1165



24.3494, 32.7733, 6.0794



10.1644, 13.2782, 10.3366



80.6108, 84.8088, 92.3568



14.7206, 15.4872, 16.8656

Same Dimension

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



14.8027, 27.7921, 8.3260



25.2265, 49.6881, 10.7666



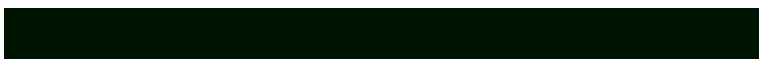
17.7460, 28.9695, 23.8255



7.4984, 8.4324, 8.3448



10.8197, 21.2466, 4.8174



0.2806, 0.5239, 0.2086

Inverse Universe

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



20.6338, 10.6973, 24.6441



35.9418, 17.6737, 40.3077



17.1834, 9.3171, 6.4744



7.7739, 7.6394, 9.1263



15.4079, 7.5719, 17.4915



0.3913, 0.1908, 0.5121

Previews

White Background



This preview shows how the XYZ color 14.8020, 27.7910, 8.3254 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 14.8020, 27.7910, 8.3254 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 14.8020, 27.7910, 8.3254

Background



This preview shows how black text looks on a background with the XYZ color 14.8020, 27.7910, 8.3254.



This preview shows how white text looks on a background with the XYZ color 14.8020, 27.7910,

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

14.8020, 27.7910, 8.3254

Protanopia

24.8954, 27.3488, 6.9843

Deuteranopia

27.6920, 27.2318, 8.9510



Tritanopia

21.3878, 27.6094, 41.2477

Trichromacy



Original Color

14.8020, 27.7910, 8.3254



Protanomaly

18.3685, 25.8259, 7.2656



Deuteranomaly

19.3293, 25.3528, 8.4323



Tritanomaly

17.8045, 27.1408, 24.3790

Monochromacy



Original Color

14.8020, 27.7910, 8.3254



Achromatopsia

15.4009, 16.2029, 17.6450



Achromatomaly

13.5764, 19.0246, 13.0818

CSS Examples

Text

The CSS property to change the color of the text to XYZ 14.8020, 27.7910, 8.3254 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(27, 166, 56)` looks like.

```
.text, #text, p{  
    color:rgb(27, 166, 56)  
}
```

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(27, 166, 56) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(27, 166, 56) }
```

Border

The CSS property to change the border of an element to XYZ 14.8020, 27.7910, 8.3254 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(27, 166, 56) }
```


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

```
.border{ border-color:rgb(27, 166, 56) }
```

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

Here you see how a box with a 4 pixel `rgb(27, 166, 56)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(27, 166, 56); -webkit-box-  
shadow:4px 4px 4px 4px rgb(27, 166, 56);  
box-shadow:4px 4px 4px 4px rgb(27, 166,  
56) }
```

Background

The CSS property to change the background color of an element to XYZ 14.8020, 27.7910, 8.3254 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(27, 166, 56) }
```

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

```
.background{ background-color: rgb(27, 166,  
56) }
```

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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