

Converting Colors

XYZ(18.1487, 29.4556, 8.1638)

Have a look what the booklet for
XYZ(18.1487, 29.4556, 8.1638)
contains.

XYZ(18.2326, 29.5650, 8.2357)	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(18.2326, 29.5650,
8.2357)**

Conversions

Conversions Part 1

Format	Color
Hex	57A636
RGB	87, 166, 54
RGB Percent	34%, 65%, 21%
CMY	0.6588, 0.3490, 0.7882
CMYK	0.48, 0.00, 0.67, 0.35
HSL	102°, 51%, 43%
HSV	102°, 67%, 65%
XYZ	18.2326, 29.5650, 8.2357
YIQ	129.6110, -11.1320, -51.5800

Conversions

Conversions Part 2

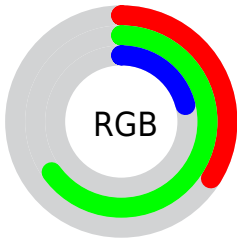
Format	Color
RYB	54, 166, 133
Decimal	5744182
CIELab	61.28, -44.73, 48.65
CIELCh	61, 66.089, 132.592
Yxy	29.5650, 0.3254, 0.5276
Android (android.graphics.Color)	4283934262 (0xFF57A636)
YUV	129.6110, -37.2762, -37.3698
Hunter-Lab	54.3737, -35.2993, 29.0812

Details

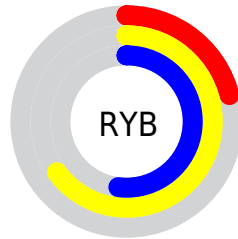
The XYZ color **18.2326, 29.5650, 8.2357** is a dark color, and the websafe version is hex **339933**. A complement of this color would be **17.8764, 10.3790, 37.1391**, and the grayscale version is **21.2116, 22.3163, 24.3025**.

A 20% lighter version of the original color is **40.0505, 59.1228, 22.9366**, and **6.3060, 12.0169, 1.9871** is the 20% darker color. If you saturate the color by 10%, you get **16.9016, 28.9174, 6.4745**, and if you desaturate by 10%, it is **19.8755, 30.3598, 10.7073**.

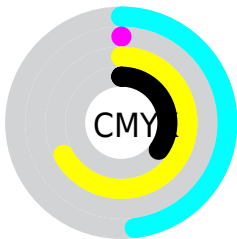
Distribution



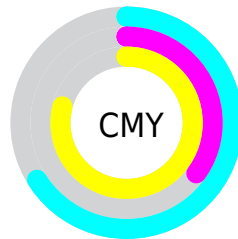
- Red (34%)
- Green (65%)
- Blue (21%)



- Red (21%)
- Yellow (65%)
- Blue (52%)



- Cyan (48%)
- Magenta (0%)
- Yellow (67%)
- Black (35%)



- Cyan (66%)
- Magenta (35%)
- Yellow (79%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.2326, 29.5650, 8.2357 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 18.2326, 29.5650, 8.2357 by changing the saturation by 10% instead.

■ 18.2326, 29.5650,
8.2357

■ 18.2326, 29.5650,
8.2357

235.1992,
299.8715, 187.5723

■ 11.2178, 19.5086,
4.1562

■ 39.9603, 58.9736,
22.9730

■ 6.2819, 12.0384,
1.7114

■ 55.4038, 79.0946,
34.4679

■ 3.0595, 6.7698,
0.3685

■ 74.3877, 103.3392,
49.2716

■ 1.1853, 3.3186,
0.0000

■ 97.2773, 132.0920,
67.8027

■ 0.0947, 1.3002,
0.0000

■ 124.4378,
165.7372, 90.4799

■ 0.0000, 0.1414,
0.0000

■ 156.2347,

■ 0.0000, 0.0000,

204.6593, 117.7215

0.0000

193.0334,
249.2426, 149.9461

■ 18.2326, 29.5650,
8.2357

■ 18.2326, 29.5650,
8.2357

■ 16.9016, 28.9174,
6.4745

■ 19.8755, 30.3598,
10.7073

■ 15.8576, 28.4030,
5.3465

■ 21.8483, 31.3071,
13.9520

■ 15.0694, 28.0095,
4.7328

■ 24.1700, 32.4162,
18.0278

■ 14.8990, 27.9243,
4.6047

■ 26.8575, 33.6947,
22.9866

■ 29.9265, 35.1496,
28.8762

■ 33.3918, 36.7877,
35.7407

■ 37.2673, 38.6151,
43.6217

■ 41.5662, 40.6380,
52.5582

■ 46.3012, 42.8619,
62.5871

Harmonies

Analogous

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



24.6096, 29.5650, 4.4201



18.2326, 29.5650, 8.2357



14.9712, 29.5650, 19.8813

Triad

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



18.2326, 29.5650, 8.2357



23.3876, 29.5650, 102.9490



47.7900, 29.5650, 22.8366

Complementary

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



18.2326, 29.5650, 8.2357



17.8764, 10.3790, 37.1391

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.



47.2735, 29.5650, 48.7549



18.2326, 29.5650, 8.2357



31.9071, 29.5650, 105.2272

Square

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



18.2326, 29.5650, 8.2357



17.4978, 29.5650, 76.7123



41.0088, 29.5650, 81.9035



42.3009, 29.5650, 9.4369

Rectangle

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



18.2326, 29.5650, 8.2357



14.4843, 29.5650, 34.4065



41.0088, 29.5650, 81.9035



48.3409, 29.5650, 30.0732

Sweetspot

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



18.2333, 29.5663, 8.2364



52.6215, 62.9902, 49.1233



24.6986, 24.9859, 7.0115



11.4355, 13.9348, 10.3384



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.



18.2333, 29.5663, 8.2364



29.6568, 51.9806, 10.5848



16.4769, 28.5854, 11.5604



7.6368, 8.5108, 8.0295



11.5947, 21.6745, 3.5725



0.3325, 0.5533, 0.0893

Inverse Universe

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



17.8764, 10.3790, 37.1391



28.8133, 14.5973, 66.7742



22.0497, 12.7475, 27.5253



7.6234, 7.5540, 9.4746



11.0842, 5.0976, 28.3752



0.3171, 0.1485, 0.6926

Previews

White Background



This preview shows how the XYZ color 18.2326, 29.5650, 8.2357 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 18.2326, 29.5650, 8.2357 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 18.2326, 29.5650, 8.2357

Background



This preview shows how black text looks on a background with the XYZ color 18.2326, 29.5650, 8.2357.



This preview shows how white text looks on a background with the XYZ color 18.2326, 29.5650,

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

18.2326, 29.5650, 8.2357

Protanopia

26.5051, 29.0885, 7.1234

Deuteranopia

29.5667, 29.0601, 8.7535



Tritanopia

24.8526, 29.3956, 41.4098

Trichromacy



Original Color

18.2326, 29.5650, 8.2357



Protanomaly

22.4697, 28.6686, 7.4813



Deuteranomaly

23.5957, 28.0242, 8.4405



Tritanomaly

21.4844, 29.0379, 24.5512

Monochromacy



Original Color

18.2326, 29.5650, 8.2357



Achromatopsia

21.2178, 22.3228, 24.3095



Achromatomaly

19.1602, 24.1816, 16.2280

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.2326, 29.5650, 8.2357 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(87, 166, 54)` looks like.

```
.text, #text, p{  
    color:rgb(87, 166, 54)  
}
```

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(87, 166, 54) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(87, 166, 54) }
```

Border

The CSS property to change the border of an element to XYZ 18.2326, 29.5650, 8.2357 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(87, 166, 54) }
```


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

```
.border{ border-color:rgb(87, 166, 54) }
```

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

Here you see how a box with a 4 pixel `rgb(87, 166, 54)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(87, 166, 54); -webkit-box-  
shadow:4px 4px 4px 4px rgb(87, 166, 54);  
box-shadow:4px 4px 4px 4px rgb(87, 166,  
54) }
```

Background

The CSS property to change the background color of an element to XYZ 18.2326, 29.5650, 8.2357 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(87, 166, 54) }
```

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

```
.background{ background-color: rgb(87, 166,  
54) }
```

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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