

Converting Colors

XYZ(8.1812, 14.6323, 4.3842)

Have a look what the booklet for
XYZ(8.1812, 14.6323, 4.3842)
contains.

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Color

**XYZ(8.2289, 14.7124,
4.4136)**

Conversions

Conversions Part 1

Format	Color
Hex	257B28
RGB	37, 123, 40
RGB Percent	15%, 48%, 16%
CMY	0.8549, 0.5176, 0.8431
CMYK	0.70, 0.00, 0.67, 0.52
HSL	122°, 54%, 31%
HSV	122°, 70%, 48%
XYZ	8.2289, 14.7124, 4.4136
YIQ	87.8240, -24.6130, -44.0450

Conversions

Conversions Part 2

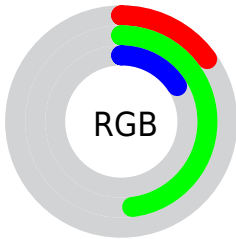
Format	Color
RYB	37, 120, 123
Decimal	2456360
CIELab	45.24, -42.76, 36.88
CIELCh	45, 56.469, 139.225
Yxy	14.7124, 0.3008, 0.5378
Android (android.graphics.Color)	4280646440 (0xFF257B28)
YUV	87.8240, -23.5772, -44.5726
Hunter-Lab	38.3567, -28.8296, 20.0274

Details

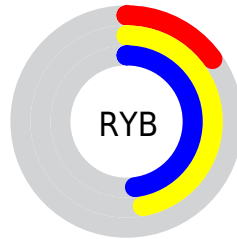
The XYZ color **8.2289, 14.7124, 4.4136** is a dark color, and the websafe version is hex **006600**. A complement of this color would be **12.2204, 6.8903, 18.4550**, and the grayscale version is **9.2913, 9.7752, 10.6452**.

A 20% lighter version of the original color is **22.0478, 34.2048, 14.8913**, and **2.3825, 4.7651, 0.7942** is the 20% darker color. If you saturate the color by 10%, you get **7.6880, 14.4538, 3.4916**, and if you desaturate by 10%, it is **8.9814, 15.0737, 5.6701**.

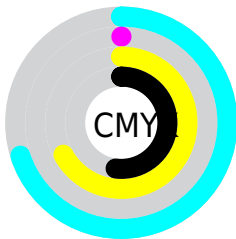
Distribution



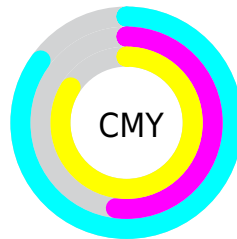
- Red (15%)
- Green (48%)
- Blue (16%)



- Red (15%)
- Yellow (47%)
- Blue (48%)



- Cyan (70%)
- Magenta (0%)
- Yellow (67%)
- Black (52%)





- Cyan (85%)
- Magenta (52%)
- Yellow (84%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 8.2289, 14.7124, 4.4136 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 8.2289, 14.7124, 4.4136 by changing the saturation by 10% instead.


 8.2289, 14.7124,
4.4136


 8.2289, 14.7124,
4.4136


171.8483,
221.6188, 152.7172


 4.2948, 8.6178,
1.8549


 22.0871, 34.3478,
14.9529


 1.8702, 4.4927,
0.4638

 32.7419, 48.6575,
23.7706


 0.5594, 1.9528,
0.0000

 46.3677, 66.4742,
35.5117

 0.0000, 0.5799,
0.0000

 63.3298, 88.1825,
50.5948

 0.0000, 0.0000,
0.0000

 83.9936, 114.1667,
69.4383

 108.7243,

144.8112, 92.4609

137.8875,
180.5005, 120.0810

■ 8.2289, 14.7124,
4.4136

■ 8.2289, 14.7124,
4.4136

■ 7.6880, 14.4538,
3.4916

■ 8.9814, 15.0737,
5.6701

■ 7.3360, 14.2857,
2.8713

■ 9.9631, 15.5450,
7.2879

■ 7.1085, 14.1767,
2.4878

■ 11.1908, 16.1349,
9.2921

■ 7.1068, 14.1759,
2.4850

■ 12.6798, 16.8506,
11.7055

■ 14.4438, 17.6988,
14.5490

■ 16.4956, 18.6858,
17.8420

■ 18.8475, 19.8175,
21.6030

■ 21.5107, 21.0992,
25.8491

■ 24.4961, 22.5362,
30.5968

Harmonies

Analogous

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



11.2318, 14.7124, 1.9428



8.2289, 14.7124, 4.4136



6.8903, 14.7124, 11.6785

Triad

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



8.2289, 14.7124, 4.4136



12.3720, 14.7124, 56.8590



24.2851, 14.7124, 8.9589

Complementary

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



8.2289, 14.7124, 4.4136



12.2204, 6.8903, 18.4550

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.



24.7829, 14.7124, 21.3211



8.2289, 14.7124, 4.4136



17.1519, 14.7124, 54.6086

Square

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



8.2289, 14.7124, 4.4136



8.9031, 14.7124, 44.4315



21.9406, 14.7124, 39.3519



20.7021, 14.7124, 3.3740

Rectangle

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



8.2289, 14.7124, 4.4136



6.8640, 14.7124, 20.5031



21.9406, 14.7124, 39.3519



24.8447, 14.7124, 12.2420

Sweetspot

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



8.2293, 14.7130, 4.4139



25.3256, 31.4339, 25.1862



15.1817, 18.3028, 4.4829



5.7911, 7.3197, 5.6524



60.6688, 63.8283, 69.5090



7.9400, 8.3535, 9.0970

Same Dimension

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



8.2293, 14.7130, 4.4139



13.3420, 25.6792, 5.5097



9.4024, 15.1823, 10.5918



3.9560, 4.4520, 4.3023



7.3512, 14.6641, 2.5683



35.0002, 69.9231, 11.9049

Inverse Universe

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



12.2204, 6.8903, 18.4550



20.9859, 10.6647, 32.3775



10.1746, 6.0720, 7.6819



4.1487, 4.0752, 4.9809



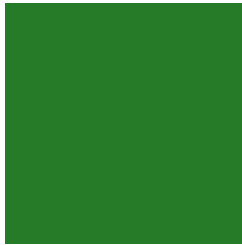
11.8761, 5.7266, 18.4362



56.5819, 27.2891, 87.5833

Previews

White Background



This preview shows how the XYZ color 8.2289, 14.7124, 4.4136 looks on a white background.

Color Contrast Check

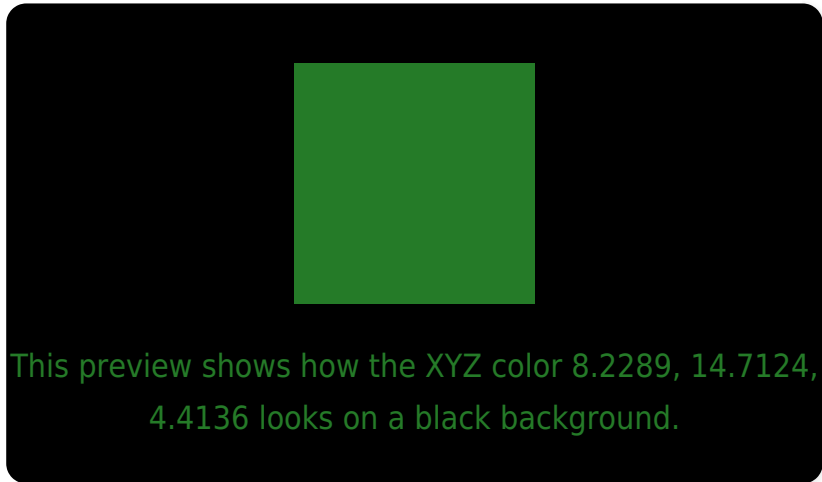
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black 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

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 8.2289, 14.7124, 4.4136

Background



This preview shows how black text looks on a background with the XYZ color 8.2289, 14.7124, 4.4136.



This preview shows how white text looks on a background with the XYZ color 8.2289, 14.7124,

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

8.2289, 14.7124, 4.4136

Protanopia

13.1839, 14.5647, 3.7855

Deuteranopia

14.6825, 14.4181, 4.6985



Tritanopia

11.6323, 14.6774, 21.2887

Trichromacy



Original Color

8.2289, 14.7124, 4.4136

Protanomaly

10.3589, 14.0677, 3.9196

Deuteranomaly

10.8530, 13.6605, 4.4476

Tritanomaly

9.8704, 14.4772, 12.6301

Monochromacy



Original Color

8.2289, 14.7124, 4.4136

Achromatopsia

9.2757, 9.7587, 10.6273

Achromatomaly

8.2453, 11.0275, 7.6552

CSS Examples

Text

The CSS property to change the color of the text to XYZ 8.2289, 14.7124, 4.4136 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(37, 123, 40)` looks like.

```
.text, #text, p{  
    color:rgb(37, 123, 40)  
}
```

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(37, 123, 40) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(37, 123, 40) }
```

Border

The CSS property to change the border of an element to XYZ 8.2289, 14.7124, 4.4136 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(37, 123, 40) }
```


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

```
.border{ border-color:rgb(37, 123, 40) }
```

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

Here you see how a box with a 4 pixel rgb(37, 123, 40) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(37, 123, 40); -webkit-box-  
shadow:4px 4px 4px 4px rgb(37, 123, 40);  
box-shadow:4px 4px 4px 4px rgb(37, 123,  
40) }
```

Background

The CSS property to change the background color of an element to XYZ 8.2289, 14.7124, 4.4136 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(37, 123, 40) }
```

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

```
.background{ background-color: rgb(37, 123,  
40) }
```

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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