

Converting Colors

XYZ(8.1789, 12.2655, 12.2923)

Have a look what the booklet for
XYZ(8.1789, 12.2655, 12.2923)
contains.

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Color

**XYZ(8.1789, 12.2655,
12.2923)**

Conversions

Conversions Part 1

Format	Color
Hex	216E5D
RGB	33, 110, 93
RGB Percent	13%, 43%, 36%
CMY	0.8706, 0.5686, 0.6353
CMYK	0.70, 0.00, 0.15, 0.57
HSL	167°, 54%, 28%
HSV	167°, 70%, 43%
XYZ	8.1789, 12.2655, 12.2923
YIQ	85.0390, -40.4350, -21.6110

Conversions

Conversions Part 2

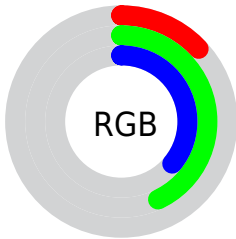
Format	Color
RYB	33, 76, 110
Decimal	2190941
CIELab	41.64, -27.68, 2.71
CIELCh	42, 27.815, 174.411
Yxy	12.2655, 0.2498, 0.3747
Android (android.graphics.Color)	4280381021 (0xFF216E5D)
YUV	85.0390, 3.9248, -45.6382
Hunter-Lab	35.0221, -19.6027, 3.7055

Details

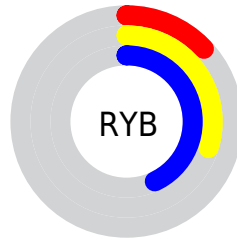
The XYZ color **8.1789, 12.2655, 12.2923** is a dark color, and the websafe version is hex **006666**. A complement of this color would be **7.5504, 4.6333, 3.5144**, and the grayscale version is **8.6412, 9.0912, 9.9004**.

A 20% lighter version of the original color is **21.9981, 29.9477, 30.6077**, and **2.2357, 3.6505, 3.2761** is the 20% darker color. If you saturate the color by 10%, you get **7.7770, 12.0708, 11.7210**, and if you desaturate by 10%, it is **8.7001, 12.5219, 12.8876**.

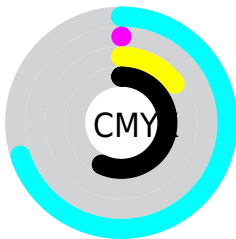
Distribution



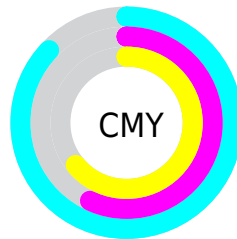
- Red (13%)
- Green (43%)
- Blue (36%)



- Red (13%)
- Yellow (30%)
- Blue (43%)



- Cyan (70%)
- Magenta (0%)
- Yellow (15%)
- Black (57%)



- Cyan (87%)
- Magenta (57%)
- Yellow (64%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 8.1789, 12.2655, 12.2923 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 8.1789, 12.2655, 12.2923 by changing the saturation by 10% instead.

8.1789, 12.2655,
12.2923

8.1789, 12.2655,
12.2923

171.4687,
206.1551, 217.3770

4.2624, 6.9248,
6.8181

21.9905, 29.9777,
30.6987

1.8516, 3.4151,
3.2719

32.6163, 43.1180,
44.4680

0.5485, 1.3521,
1.2351

46.2093, 59.6270,
61.8394

0.0000, 0.1810,
0.0077

63.1347, 79.8890,
83.2314

0.0000, 0.0000,
0.0000

83.7580, 104.2884,
109.0627

108.4446,

133.2096, 139.7517

137.5596,
167.0371, 175.7170

■ 8.1789, 12.2655,
12.2923

■ 8.1789, 12.2655,
12.2923

■ 7.7770, 12.0708,
11.7210

■ 8.7001, 12.5219,
12.8876

■ 7.4816, 11.9304,
11.1721

■ 9.3498, 12.8438,
13.5066

■ 7.2444, 11.8196,
10.6435

■ 10.1373, 13.2363,
14.1502

■ 7.2443, 11.8196,
10.6434

■ 11.0709, 13.7038,
14.8189

■ 12.1583, 14.2501,
15.5134

■ 13.4063, 14.8788,
16.2340

■ 14.8217, 15.5934,
16.9812

■ 16.4106, 16.3970,
17.7554

■ 18.1790, 17.2928,
18.5572

Harmonies

Analogous

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



8.7547, 12.2655, 7.8339



8.1789, 12.2655, 12.2923



8.4434, 12.2655, 18.5467

Triad

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



8.1789, 12.2655, 12.2923



13.3524, 12.2655, 26.3914



14.0886, 12.2655, 6.1535

Complementary

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



8.1789, 12.2655, 12.2923



7.5504, 4.6333, 3.5144

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.



15.5997, 12.2655, 9.2357



8.1789, 12.2655, 12.2923



15.1411, 12.2655, 21.0026

Square

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



8.1789, 12.2655, 12.2923



11.2808, 12.2655, 27.9145



16.0056, 12.2655, 14.4773



12.0435, 12.2655, 5.0143

Rectangle

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



8.1789, 12.2655, 12.2923



9.0785, 12.2655, 22.8408



16.0056, 12.2655, 14.4773



14.6849, 12.2655, 6.9439

Sweetspot

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



8.1792, 12.2660, 12.2926



21.0350, 24.8658, 27.0501



7.2144, 11.9651, 3.3683



4.8030, 5.7402, 6.2375



54.2243, 57.0482, 62.1254



6.0569, 6.3724, 6.9395

Same Dimension

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



8.1792, 12.2660, 12.2926



13.3131, 21.0336, 19.9775



7.0534, 8.6722, 16.0546



3.4450, 3.8032, 4.1495



8.6914, 14.1941, 12.7278



42.9641, 70.5743, 61.6556

Inverse Universe

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



7.5504, 4.6333, 3.5144



12.1579, 6.6531, 3.5861



8.0029, 6.0203, 2.1793



3.4119, 3.4125, 3.6957



7.9166, 4.0590, 1.3708



39.1617, 20.1100, 5.3837

Previews

White Background



This preview shows how the XYZ color 8.1789, 12.2655, 12.2923 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



This preview shows how the XYZ color 8.1789, 12.2655, 12.2923 looks on a 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 8.1789, 12.2655, 12.2923

Background



This preview shows how black text looks on a background with the XYZ color 8.1789, 12.2655, 12.2923.



This preview shows how white text looks on a background with the XYZ color 8.1789, 12.2655,

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

8.1789, 12.2655, 12.2923

Protanopia

11.4339, 12.0461, 10.5266

Deuteranopia

12.3879, 12.2171, 12.7716



Tritanopia

9.4488, 12.3118, 18.4014

Trichromacy



Original Color

8.1789, 12.2655, 12.2923

Protanomaly

9.6151, 11.8018, 11.2224

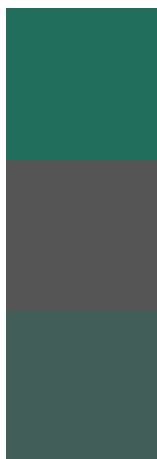
Deuteranomaly

10.0161, 11.6899, 12.5549

Tritanomaly

8.9444, 12.2590, 16.0822

Monochromacy



Original Color

8.1789, 12.2655, 12.2923

Achromatopsia

8.6345, 9.0842, 9.8927

Achromatomaly

8.0109, 9.8682, 10.7151

CSS Examples

Text

The CSS property to change the color of the text to XYZ 8.1789, 12.2655, 12.2923 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(33, 110, 93)` looks like.

```
.text, #text, p{  
    color:rgb(33, 110, 93)  
}
```

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(33, 110, 93) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(33, 110, 93) }
```

Border

The CSS property to change the border of an element to XYZ 8.1789, 12.2655, 12.2923 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(33, 110, 93) }
```


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

```
.border{ border-color:rgb(33, 110, 93) }
```

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

Here you see how a box with a 4 pixel rgb(33, 110, 93) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(33, 110, 93); -webkit-box-  
shadow:4px 4px 4px 4px rgb(33, 110, 93);  
box-shadow:4px 4px 4px 4px rgb(33, 110,  
93) }
```

Background

The CSS property to change the background color of an element to XYZ 8.1789, 12.2655, 12.2923 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(33, 110, 93) }
```

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

```
.background{ background-color: rgb(33, 110,  
93) }
```

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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