

Converting Colors

XYZ(8.5840, 12.6669, 12.1267)

Have a look what the booklet for
XYZ(8.5840, 12.6669, 12.1267)
contains.

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Color

**XYZ(8.5711, 12.6338,
12.1120)**

Conversions

Conversions Part 1

Format	Color
Hex	2A6F5C
RGB	42, 111, 92
RGB Percent	16%, 44%, 36%
CMY	0.8353, 0.5647, 0.6392
CMYK	0.62, 0.00, 0.17, 0.56
HSL	163°, 45%, 30%
HSV	163°, 62%, 44%
XYZ	8.5711, 12.6338, 12.1120
YIQ	88.2030, -35.0250, -20.5370

Conversions

Conversions Part 2

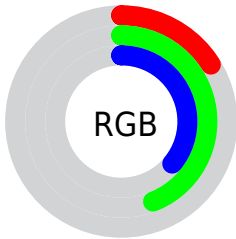
Format	Color
RYB	42, 82, 111
Decimal	2781020
CIELab	42.21, -26.67, 4.17
CIElCh	42, 26.995, 171.116
Yxy	12.6338, 0.2573, 0.3792
Android (android.graphics.Color)	4280971100 (0xFF2A6F5C)
YUV	88.2030, 1.8719, -40.5200
Hunter-Lab	35.5441, -19.1586, 4.6772

Details

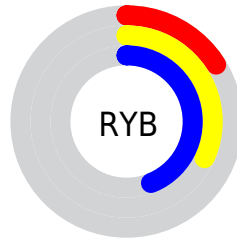
The XYZ color **8.5711, 12.6338, 12.1120** is a dark color, and the websafe version is hex **006666**. A complement of this color would be **8.2263, 5.3728, 5.0191**, and the grayscale version is **9.3221, 9.8076, 10.6804**.

A 20% lighter version of the original color is **22.6990, 30.5803, 30.2974**, and **2.2706, 3.7523, 3.1894** is the 20% darker color. If you saturate the color by 10%, you get **8.0476, 12.3794, 11.4042**, and if you desaturate by 10%, it is **9.2265, 12.9562, 12.8547**.

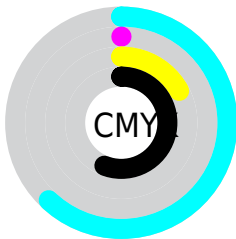
Distribution



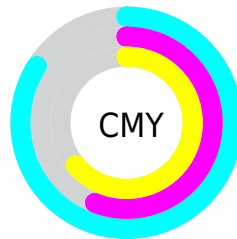
- Red (16%)
- Green (44%)
- Blue (36%)



- Red (16%)
- Yellow (32%)
- Blue (44%)



- Cyan (62%)
- Magenta (0%)
- Yellow (17%)
- Black (56%)



- Cyan (84%)
- Magenta (56%)
- Yellow (64%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 8.5711, 12.6338, 12.1120 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 8.5711, 12.6338, 12.1120 by changing the saturation by 10% instead.

■ 8.5711, 12.6338,
12.1120

■ 8.5711, 12.6338,
12.1120

174.4210,
208.5572, 216.1495

■ 4.5174, 7.1769,
6.6965

■ 22.7455, 30.6443,
30.3664

■ 1.9988, 3.5730,
3.1975

■ 33.5969, 43.9667,
44.0424

■ 0.6333, 1.4377,
1.1963

■ 47.4449, 60.6796,
61.3089

■ 0.0000, 0.2442,
0.0000

■ 64.6548, 81.1676,
82.5846

■ 0.0000, 0.0000,
0.0000

■ 85.5920, 105.8149,
108.2880

■ 110.6218,

135.0060, 138.8376

140.1097,
169.1253, 174.6519

■ 8.5711, 12.6338,
12.1120

■ 8.5711, 12.6338,
12.1120

■ 8.0476, 12.3794,
11.4042

■ 9.2265, 12.9562,
12.8547

■ 7.6443, 12.1860,
10.7295

■ 10.0223, 13.3501,
13.6322

■ 7.3484, 12.0473,
10.0874

■ 10.9676, 13.8204,
14.4455

■ 7.1487, 11.9549,
9.6044

■ 12.0701, 14.3711,
15.2953

■ 13.3373, 15.0060,
16.1822

■ 14.7760, 15.7287,
17.1068

■ 16.3927, 16.5426,
18.0698

■ 18.1936, 17.4506,
19.0717

■ 20.1845, 18.4560,
20.1130

Harmonies

Analogous

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



9.2364, 12.6338, 7.8980



8.5711, 12.6338, 12.1120



8.7430, 12.6338, 18.1554

Triad

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



8.5711, 12.6338, 12.1120



13.4593, 12.6338, 26.9275



14.6093, 12.6338, 6.7979

Complementary

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



8.5711, 12.6338, 12.1120



8.2263, 5.3728, 5.0191

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.



15.9990, 12.6338, 10.1318



8.5711, 12.6338, 12.1120



15.2851, 12.6338, 21.9675

Square

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



8.5711, 12.6338, 12.1120



11.4194, 12.6338, 27.8970



16.2592, 12.6338, 15.5425



12.6166, 12.6338, 5.4449

Rectangle

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



8.5711, 12.6338, 12.1120



9.3182, 12.6338, 22.4234



16.2592, 12.6338, 15.5425



15.1713, 12.6338, 7.6713

Sweetspot

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



8.5715, 12.6343, 12.1123



22.1830, 26.0184, 27.8009



8.0614, 12.5462, 4.1877



5.2119, 6.1920, 6.5941



55.7959, 58.7016, 63.9261



6.5000, 6.8385, 7.4471

Same Dimension

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



8.5715, 12.6343, 12.1123



14.0319, 21.9845, 19.8231



8.0120, 10.0154, 16.5503



3.4377, 3.8003, 4.1111



8.4124, 14.0825, 11.2585



41.5282, 69.9999, 54.0941

Inverse Universe

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



8.2263, 5.3728, 5.0191



13.3739, 7.7315, 5.9972



8.4346, 6.4685, 2.9949



3.4188, 3.4152, 3.7320



7.9995, 4.0922, 1.8075



39.5283, 20.2566, 7.3141

Previews

White Background



This preview shows how the XYZ color 8.5711, 12.6338, 12.1120 looks on a white background.

Color Contrast Check

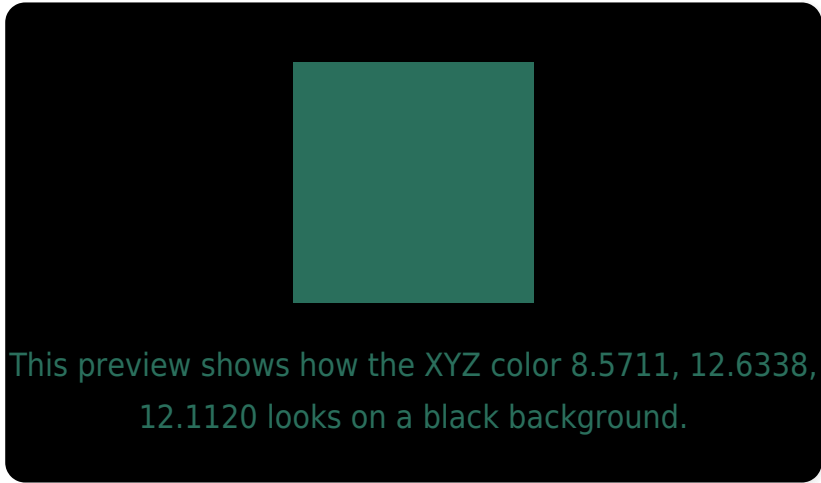
Large Text (above 18pt) WCAG AA ✓ Pass

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

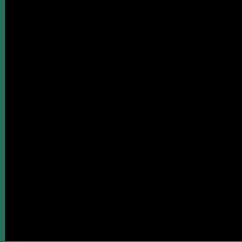
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 8.5711, 12.6338, 12.1120

Background



This preview shows how black text looks on a background with the XYZ color 8.5711, 12.6338, 12.1120.



This preview shows how white text looks on a background with the XYZ color 8.5711, 12.6338,

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

8.5711, 12.6338, 12.1120

Protanopia

11.8505, 12.5386, 10.5997

Deuteranopia

12.6788, 12.5070, 12.5723



Tritanopia

9.8802, 12.6899, 18.4516

Trichromacy



Original Color

8.5711, 12.6338, 12.1120

Protanomaly

10.0050, 12.1544, 11.0512

Deuteranomaly

10.4204, 12.0468, 12.3657

Tritanomaly

9.3414, 12.6272, 15.8549

Monochromacy



Original Color

8.5711, 12.6338, 12.1120

Achromatopsia

9.2757, 9.7587, 10.6273

Achromatomaly

8.5846, 10.4266, 11.0113

CSS Examples

Text

The CSS property to change the color of the text to XYZ 8.5711, 12.6338, 12.1120 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(42, 111, 92)` looks like.

```
.text, #text, p{  
    color:rgb(42, 111, 92)  
}
```

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(42, 111, 92) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(42, 111, 92) }
```

Border

The CSS property to change the border of an element to XYZ 8.5711, 12.6338, 12.1120 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(42, 111, 92) }
```


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

```
.border{ border-color:rgb(42, 111, 92) }
```

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

Here you see how a box with a 4 pixel rgb(42, 111, 92) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(42, 111, 92); -webkit-box-  
shadow:4px 4px 4px 4px rgb(42, 111, 92);  
box-shadow:4px 4px 4px 4px rgb(42, 111,  
92) }
```

Background

The CSS property to change the background color of an element to XYZ 8.5711, 12.6338, 12.1120 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(42, 111, 92) }
```

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

```
.background{ background-color: rgb(42, 111,  
92) }
```

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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