

Converting Colors

XYZ(8.1827, 10.1583, 3.2033)

Have a look what the booklet for
XYZ(8.1827, 10.1583, 3.2033)
contains.

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Color

**XYZ(8.1589, 10.1112,
3.1907)**

Conversions

Conversions Part 1

Format	Color
Hex	565E24
RGB	86, 94, 36
RGB Percent	34%, 37%, 14%
CMY	0.6627, 0.6314, 0.8588
CMYK	0.09, 0.00, 0.62, 0.63
HSL	68°, 45%, 25%
HSV	68°, 62%, 37%
XYZ	8.1589, 10.1112, 3.1907
YIQ	84.9960, 13.8500, -19.7340

Conversions

Conversions Part 2

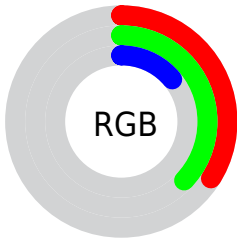
Format	Color
RYB	36, 94, 44
Decimal	5660196
CIELab	38.04, -12.37, 31.51
CIELCh	38, 33.856, 111.435
Yxy	10.1112, 0.3802, 0.4711
Android (android.graphics.Color)	4283850276 (0xFF565E24)
YUV	84.9960, -24.1550, 0.8805
Hunter-Lab	31.7981, -9.8464, 16.3094

Details

The XYZ color **8.1589, 10.1112, 3.1907** is a dark color, and the websafe version is hex **666633**. A complement of this color would be **3.6903, 2.6056, 10.8987**, and the grayscale version is **8.6810, 9.1330, 9.9459**.

A 20% lighter version of the original color is **21.8511, 25.8894, 12.0291**, and **1.9320, 2.5650, 0.3933** is the 20% darker color. If you saturate the color by 10%, you get **7.9156, 10.0006, 2.5260**, and if you desaturate by 10%, it is **8.4426, 10.2390, 4.0547**.

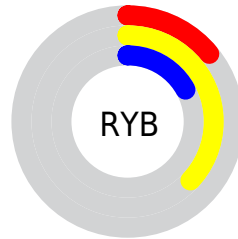
Distribution



Red (34%)

Green (37%)

Blue (14%)



Red (14%)

Yellow (37%)

Blue (17%)

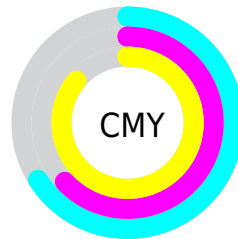


Cyan (9%)

Magenta (0%)

Yellow (62%)

Black (63%)



Cyan (66%)

Magenta (63%)

Yellow (86%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 8.1589, 10.1112, 3.1907 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 8.1589, 10.1112, 3.1907 by changing the saturation by 10% instead.

8.1589, 10.1112,
3.1907

8.1589, 10.1112,
3.1907

171.3165,
191.4639, 138.7536

4.2495, 5.4727,
1.1928

21.9518, 26.0044,
12.0955

1.8442, 2.5272,
0.0000

32.5660, 38.0280,
19.8395

0.5441, 0.8902,
0.0000

46.1458, 53.2821,
30.3359

0.0000, 0.0000,
0.0000

63.0566, 72.1511,
44.0033

83.6637, 95.0194,
61.2602

108.3325,

122.2713, 82.5252

137.4283,
154.2914, 108.2168

8.1589, 10.1112,
3.1907

8.1589, 10.1112,
3.1907

7.9156, 10.0006,
2.5260

8.4426, 10.2390,
4.0547

7.7089, 9.9045,
2.0441

8.7687, 10.3836,
5.1317

7.5348, 9.8217,
1.7227

9.1399, 10.5465,
6.4347

7.3991, 9.7566,
1.4932

9.5585, 10.7286,
7.9756

10.0266, 10.9308,
9.7656

■ 10.5461, 11.1538,
11.8149

■ 11.1189, 11.3984,
14.1334

■ 11.7469, 11.6652,
16.7303

■ 12.4316, 11.9551,
19.6144

Harmonies

Analogous

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



10.2481, 10.1112, 2.8954



8.1589, 10.1112, 3.1907



6.6921, 10.1112, 5.0946

Triad

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



8.1589, 10.1112, 3.1907



7.2276, 10.1112, 23.3117



14.3782, 10.1112, 12.8952

Complementary

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



8.1589, 10.1112, 3.1907



3.6903, 2.6056, 10.8987

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.



13.2734, 10.1112, 20.3136



8.1589, 10.1112, 3.1907



8.9997, 10.1112, 27.6515

Square

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



8.1589, 10.1112, 3.1907



6.2137, 10.1112, 16.0033



11.2246, 10.1112, 26.3848



14.0625, 10.1112, 7.1802

Rectangle

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



8.1589, 10.1112, 3.1907



6.1602, 10.1112, 7.6134



11.2246, 10.1112, 26.3848



14.1553, 10.1112, 15.2894

Sweetspot

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



8.1591, 10.1117, 3.1909



16.9018, 18.8566, 14.5894



5.8256, 4.2889, 2.1900



4.0140, 4.5028, 3.3600



48.1978, 50.7079, 55.2208



4.4639, 4.6964, 5.1144

Same Dimension

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



8.1591, 10.1117, 3.1909



13.6855, 17.4296, 3.9969



6.0241, 9.0110, 3.0910



2.4727, 2.6724, 2.5118



10.2080, 13.4838, 2.0646



55.3476, 73.5536, 11.2801

Inverse Universe

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



3.6903, 2.6056, 10.8987



5.1020, 2.9813, 18.8491



5.3791, 3.4762, 10.9777



2.2474, 2.2949, 2.8990



2.9945, 1.2208, 14.7299



15.9263, 6.4419, 80.6397

Previews

White Background



This preview shows how the XYZ color 8.1589, 10.1112, 3.1907 looks on a white background.

Color Contrast Check

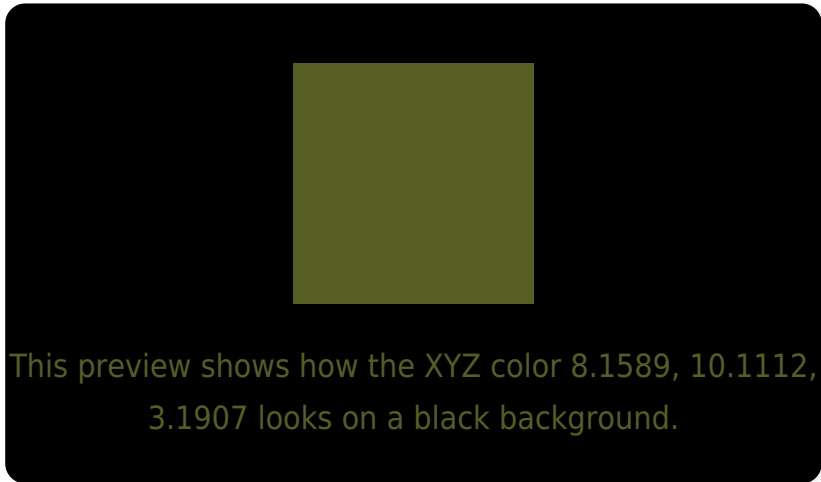
Large Text (above 18pt) WCAG AA ✓ Pass

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 8.1589, 10.1112, 3.1907

Background



This preview shows how black text looks on a background with the XYZ color 8.1589, 10.1112, 3.1907.



This preview shows how white text looks on a background with the XYZ color 8.1589, 10.1112,

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

[8.1589](#), [10.1112](#), [3.1907](#)

Protanopia

[9.2151](#), [10.1430](#), [3.0622](#)

Deuteranopia

[10.1703](#), [10.0230](#), [3.3181](#)



Tritanopia

9.9689, 10.0810, 12.2469

Trichromacy



Original Color

8.1589, 10.1112, 3.1907

Protanomaly

8.7638, 10.0364, 3.0654

Deuteranomaly

9.3191, 9.9442, 3.2620

Tritanomaly

9.1086, 9.9804, 7.9249

Monochromacy



Original Color

8.1589, 10.1112, 3.1907

Achromatopsia

8.6345, 9.0842, 9.8927

Achromatomaly

8.2492, 9.3160, 6.6736

CSS Examples

Text

The CSS property to change the color of the text to XYZ 8.1589, 10.1112, 3.1907 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(86, 94, 36) looks like.

```
.text, #text, p{  
    color:rgb(86, 94, 36)  
}
```

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(86, 94, 36) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(86, 94, 36) }
```

Border

The CSS property to change the border of an element to XYZ 8.1589, 10.1112, 3.1907 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(86, 94, 36) }
```


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

```
.border{ border-color:rgb(86, 94, 36) }
```

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

Here you see how a box with a 4 pixel `rgb(86, 94, 36)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(86, 94, 36); -webkit-box-  
shadow:4px 4px 4px 4px rgb(86, 94, 36);  
box-shadow:4px 4px 4px 4px rgb(86, 94, 36)  
}
```

Background

The CSS property to change the background color of an element to XYZ 8.1589, 10.1112, 3.1907 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(86, 94, 36) }
```

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

```
.background{ background-color: rgb(86, 94,  
36) }
```

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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