

Converting Colors

XYZ(8.7212, 9.9070, 3.0089)

Have a look what the booklet for
XYZ(8.7212, 9.9070, 3.0089)
contains.

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Color

XYZ(8.6789, 9.8666, 3.0371)

Conversions

Conversions Part 1

Format	Color
Hex	5F5A23
RGB	95, 90, 35
RGB Percent	37%, 35%, 14%
CMY	0.6274, 0.6470, 0.8627
CMYK	0.00, 0.05, 0.63, 0.63
HSL	55°, 46%, 25%
HSV	55°, 63%, 37%
XYZ	8.6789, 9.8666, 3.0371
YIQ	85.2250, 20.6350, -16.0450

Conversions

Conversions Part 2

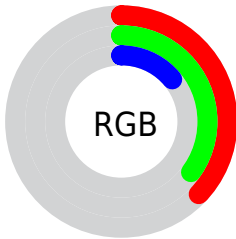
Format	Color
RYB	40, 95, 35
Decimal	6248995
CIELab	37.60, -5.89, 31.76
CIELCh	38, 32.304, 100.504
Yxy	9.8666, 0.4021, 0.4572
Android (android.graphics.Color)	4284439075 (0xFF5F5A23)
YUV	85.2250, -24.7609, 8.5727
Hunter-Lab	31.4111, -5.6499, 16.2551

Details

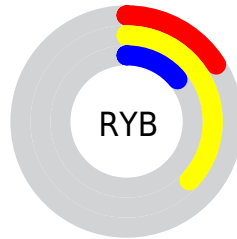
The XYZ color **8.6789, 9.8666, 3.0371** is a dark color, and the websafe version is hex **666633**. A complement of this color would be **3.5175, 2.7011, 11.1625**, and the grayscale version is **8.7294, 9.1840, 10.0013**.

A 20% lighter version of the original color is **22.9337, 25.5684, 11.7091**, and **2.1107, 2.4811, 0.3677** is the 20% darker color. If you saturate the color by 10%, you get **8.4903, 9.6853, 2.3703**, and if you desaturate by 10%, it is **8.9070, 10.0656, 3.9060**.

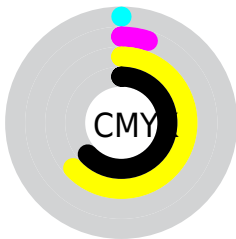
Distribution



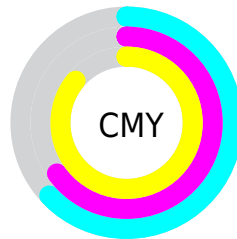
- Red (37%)
- Green (35%)
- Blue (14%)



- Red (16%)
- Yellow (37%)
- Blue (14%)



- Cyan (0%)
- Magenta (5%)
- Yellow (63%)
- Black (63%)



- Cyan (63%)
- Magenta (65%)
- Yellow (86%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 8.6789, 9.8666, 3.0371 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 8.6789, 9.8666, 3.0371 by changing the saturation by 10% instead.

■ 8.6789, 9.8666,
3.0371

■ 8.6789, 9.8666,
3.0371

175.2224,
189.7173, 136.8317

■ 4.5878, 5.3106,
1.1136

■ 22.9519, 25.5443,
11.7198

■ 2.0397, 2.4306,
0.0000

■ 33.8645, 37.4348,
19.3162

■ 0.6561, 0.8416,
0.0000

■ 47.7816, 52.5388,
29.6406

■ 0.0000, 0.0000,
0.0000

■ 65.0686, 71.2409,
43.1115

■ 86.0908, 93.9254,
60.1475

■ 111.2136,

120.9767, 81.1672

140.8023,
152.7792, 106.5891

8.6789, 9.8666,
3.0371

8.6789, 9.8666,
3.0371

8.4903, 9.6853,
2.3703

8.9070, 10.0656,
3.9060

8.3372, 9.5190,
1.8882

9.1766, 10.2819,
4.9911

8.2143, 9.3658,
1.5615

9.4905, 10.5171,
6.3062

8.1346, 9.2635,
1.3593

9.8511, 10.7722,
7.8636

10.2606, 11.0479,
9.6747

■ 10.7209, 11.3452,
11.7503

■ 11.2341, 11.6647,
14.1005

■ 11.8020, 12.0073,
16.7350

■ 12.4262, 12.3736,
19.6627

Harmonies

Analogous

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



10.7529, 9.8666, 3.2383



8.6789, 9.8666, 3.0371



7.0480, 9.8666, 4.2521

Triad

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



8.6789, 9.8666, 3.0371



6.6937, 9.8666, 19.8470



13.5962, 9.8666, 14.9584

Complementary

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



8.6789, 9.8666, 3.0371



3.5175, 2.7011, 11.1625

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.



12.1718, 9.8666, 21.7872



8.6789, 9.8666, 3.0371



8.1254, 9.8666, 25.2463

Square

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



8.6789, 9.8666, 3.0371



6.0176, 9.8666, 12.9305



10.1135, 9.8666, 26.0629



13.8017, 9.8666, 8.8173

Rectangle

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



8.6789, 9.8666, 3.0371



6.3539, 9.8666, 6.0962



10.1135, 9.8666, 26.0629



13.2353, 9.8666, 17.2991

Sweetspot

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



8.6791, 9.8671, 3.0373



17.1141, 18.6150, 14.5316



5.7034, 3.7883, 2.4382



4.0697, 4.4393, 3.3448



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.



8.6791, 9.8671, 3.0373



14.4003, 16.4396, 3.6011



6.9215, 9.6079, 3.0799



2.7463, 2.9360, 2.7661



11.5434, 13.1294, 1.9258



61.3570, 69.5200, 10.1848

Inverse Universe

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



3.5175, 2.7011, 11.1625



4.7205, 3.0127, 18.8753



4.5302, 2.9891, 11.1647



2.4657, 2.5459, 3.2067



3.0372, 1.3772, 15.4934



15.9332, 6.7725, 82.6721

Previews

White Background



This preview shows how the XYZ color 8.6789, 9.8666, 3.0371 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 ✓ Pass

Black Background



This preview shows how the XYZ color 8.6789, 9.8666, 3.0371 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

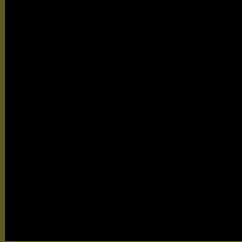
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 8.6789, 9.8666, 3.0371

Background



This preview shows how black text looks on a background with the XYZ color 8.6789, 9.8666, 3.0371.



This preview shows how white text looks on a background with the XYZ color 8.6789, 9.8666, 3.0371.

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

8.6789, 9.8666, 3.0371

Protanopia

9.0213, 9.9188, 3.0291

Deuteranopia

9.9347, 9.7892, 3.1162



Tritanopia

10.3142, 9.8053, 11.2465

Trichromacy



Original Color

8.6789, 9.8666, 3.0371

Protanomaly

8.9128, 9.8628, 3.0241

Deuteranomaly

9.4719, 9.7862, 3.0588

Tritanomaly

9.5021, 9.7072, 7.3341

Monochromacy



Original Color

8.6789, 9.8666, 3.0371

Achromatopsia

8.6345, 9.0842, 9.8927

Achromatomaly

8.5411, 9.3455, 6.6639

CSS Examples

Text

The CSS property to change the color of the text to XYZ 8.6789, 9.8666, 3.0371 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(95, 90, 35) looks like.

```
.text, #text, p{  
    color:rgb(95, 90, 35)  
}
```

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(95, 90, 35) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(95, 90, 35) }
```

Border

The CSS property to change the border of an element to XYZ 8.6789, 9.8666, 3.0371 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(95, 90, 35) }
```

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

```
.border{ border-color:rgb(95, 90, 35) }
```

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

Here you see how a box with a 4 pixel `rgb(95, 90, 35)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(95, 90, 35); -webkit-box-  
shadow:4px 4px 4px 4px rgb(95, 90, 35);  
box-shadow:4px 4px 4px 4px rgb(95, 90, 35)  
}
```


Background

The CSS property to change the background color of an element to XYZ 8.6789, 9.8666, 3.0371 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(95, 90, 35) }
```

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

```
.background{ background-color: rgb(95, 90,  
35) }
```

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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