

Converting Colors

XYZ(8.6121, 8.0241, 31.2326)

Have a look what the booklet for
XYZ(8.6121, 8.0241, 31.2326)
contains.

XYZ(8.6184, 8.0372, 31.2341)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(8.6184, 8.0372,
31.2341)**

Conversions

Conversions Part 1

Format	Color
Hex	005099
RGB	0, 80, 153
RGB Percent	0%, 31%, 60%
CMY	0.9999, 0.6863, 0.4000
CMYK	1.00, 0.48, 0.00, 0.40
HSL	209°, 100%, 30%
HSV	209°, 100%, 60%
XYZ	8.6184, 8.0372, 31.2341
YIQ	64.4020, -71.1130, 5.7430

Conversions

Conversions Part 2

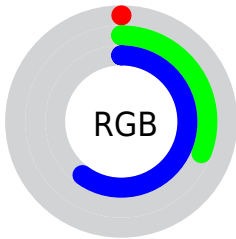
Format	Color
RYB	0, 53, 153
Decimal	20633
CIELab	34.06, 8.85, -45.59
CIELCh	34, 46.443, 280.988
Yxy	8.0372, 0.1800, 0.1678
Android (android.graphics.Color)	4278210713 (0xFF005099)
YUV	64.4020, 43.6788, -56.4806
Hunter-Lab	28.3500, 4.6517, -45.4768

Details

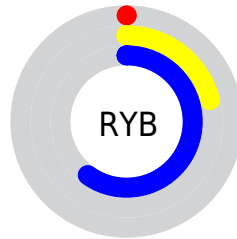
The XYZ color **8.6184, 8.0372, 31.2341** is a dark color, and the websafe version is hex **003366**. A complement of this color would be **15.5211, 11.5405, 1.4101**, and the grayscale version is **4.8787, 5.1328, 5.5896**.

A 20% lighter version of the original color is **22.8916, 22.1394, 62.7413**, and **3.0105, 2.2627, 12.5900** is the 20% darker color. If you saturate the color by 10%, you get **8.6177, 8.0357, 31.2340**, and if you desaturate by 10%, it is **9.3847, 9.2695, 31.4318**.

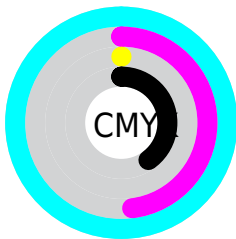
Distribution



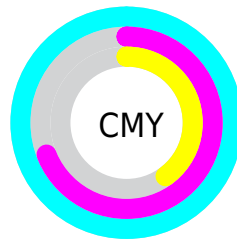
- Red (0%)
- Green (31%)
- Blue (60%)



- Red (0%)
- Yellow (21%)
- Blue (60%)



- Cyan (100%)
- Magenta (48%)
- Yellow (0%)
- Black (40%)



- Cyan (100%)
- Magenta (69%)
- Yellow (40%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 8.6184, 8.0372, 31.2341 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 8.6184, 8.0372, 31.2341 by changing the saturation by 10% instead.

■ 8.6184, 8.0372,
31.2341

■ 8.6184, 8.0372,
31.2341

174.7731,
176.0235, 321.9999

■ 4.5482, 4.1188,
20.5172

■ 22.8361, 22.0313,
62.6923

■ 2.0167, 1.7402,
12.5838

■ 33.7144, 32.8758,
84.2708

■ 0.6433, 0.4495,
7.0152

■ 47.5927, 46.7978,
110.3068

■ 0.0000, 0.0000,
3.3930

■ 64.8365, 64.1816,
141.2190

■ 0.0000, 0.0000,
1.2987

■ 85.8111, 85.4117,
177.4259

■ 0.0000, 0.0000,
0.0607

■ 110.8818,

■ 0.0000, 0.0000,

110.8724, 219.3459

0.0000

140.4141,
140.9482, 267.3978

■ 8.6184, 8.0372,
31.2341

■ 8.6184, 8.0372,
31.2341

■ 8.6177, 8.0357,
31.2340

■ 9.3847, 9.2695,
31.4318

■ 10.3601, 10.6984,
31.6562

■ 11.6149, 12.3628,
31.9113

■ 13.1785, 14.2801,
32.1990

■ 15.0758, 16.4656,
32.5208

■ 17.3292, 18.9330,
32.8783

■ 19.9588, 21.6949,
33.2728

■ 22.9831, 24.7630,
33.7056

■ 26.4195, 28.1481,
34.1779

Harmonies

Analogous

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



6.1423, 8.0372, 30.0544



8.6184, 8.0372, 31.2341



11.3527, 8.0372, 24.3324

Triad

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



8.6184, 8.0372, 31.2341



12.0002, 8.0372, 2.3709



3.8602, 8.0372, 4.9087

Complementary

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



8.6184, 8.0372, 31.2341



15.5211, 11.5405, 1.4101

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.



4.8390, 8.0372, 1.8325



8.6184, 8.0372, 31.2341



9.3613, 8.0372, 1.0375

Square

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



8.6184, 8.0372, 31.2341



13.5765, 8.0372, 6.3252



6.7370, 8.0372, 0.9182



3.7479, 8.0372, 11.7294

Rectangle

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



8.6184, 8.0372, 31.2341



12.8157, 8.0372, 17.5461



6.7370, 8.0372, 0.9182



4.0864, 8.0372, 3.5322

Sweetspot

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



8.6188, 8.0374, 31.2343



35.4378, 38.5370, 59.5426



12.5422, 23.2430, 9.8561



7.4102, 8.0776, 13.0861



72.9764, 76.7769, 83.6100



11.9732, 12.5967, 13.7178

Same Dimension

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



8.6188, 8.0374, 31.2343



15.2461, 14.0167, 55.8739



5.8057, 2.4113, 30.2966



6.1382, 6.5338, 7.8666



7.1559, 6.7085, 25.8254



0.1434, 0.1731, 0.3982

Inverse Universe

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



14.5852, 7.3520, 8.2398



26.0246, 13.1276, 14.2552



23.7115, 27.9212, 4.1403



6.3369, 6.2739, 7.1542



12.0708, 6.0825, 6.8976



0.1988, 0.0983, 0.1999

Previews

White Background



This preview shows how the XYZ color 8.6184, 8.0372, 31.2341 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 8.6184, 8.0372, 31.2341 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 8.6184, 8.0372, 31.2341

Background



This preview shows how black text looks on a background with the XYZ color 8.6184, 8.0372, 31.2341.



This preview shows how white text looks on a background with the XYZ color 8.6184, 8.0372,

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

8.6184, 8.0372, 31.2341

Protanopia

9.2248, 8.1546, 30.3659

Deuteranopia

8.0513, 8.0482, 27.5147



Tritanopia

5.6379, 7.9710, 12.0679

Trichromacy



Original Color

8.6184, 8.0372, 31.2341

Protanomaly

8.8895, 8.0786, 30.7966

Deuteranomaly

8.2089, 7.9914, 28.7136

Tritanomaly

6.4802, 7.9165, 17.7095

Monochromacy



Original Color

8.6184, 8.0372, 31.2341

Achromatopsia

4.8732, 5.1269, 5.5832

Achromatomaly

5.2159, 5.6963, 11.8909

CSS Examples

Text

The CSS property to change the color of the text to XYZ 8.6184, 8.0372, 31.2341 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(0, 80, 153)` looks like.

```
.text, #text, p{  
    color:rgb(0, 80, 153)  
}
```

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(0, 80, 153) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 80, 153) }
```

Border

The CSS property to change the border of an element to XYZ 8.6184, 8.0372, 31.2341 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(0, 80, 153) }
```


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

```
.border{ border-color:rgb(0, 80, 153) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 80, 153)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 80, 153); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 80, 153);  
box-shadow:4px 4px 4px 4px rgb(0, 80, 153)  
}
```

Background

The CSS property to change the background color of an element to XYZ 8.6184, 8.0372, 31.2341 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 80, 153) }
```

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

```
.background{ background-color: rgb(0, 80,  
153) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor