

Converting Colors

XYZ(15.1961, 8.6426, 53.6760)

Have a look what the booklet for
XYZ(15.1961, 8.6426, 53.6760)
contains.

XYZ(15.2350, 8.6480, 53.6896)	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(15.2350, 8.6480,
53.6896)**

Conversions

Conversions Part 1

Format	Color
Hex	5636C5
RGB	86, 54, 197
RGB Percent	34%, 21%, 77%
CMY	0.6627, 0.7882, 0.2274
CMYK	0.56, 0.73, 0.00, 0.23
HSL	253°, 57%, 49%
HSV	253°, 73%, 77%
XYZ	15.2350, 8.6480, 53.6896
YIQ	79.8700, -26.8310, 51.2570

Conversions

Conversions Part 2

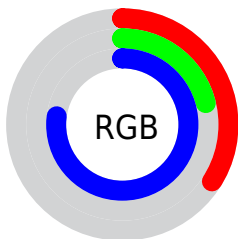
Format	Color
R _Y B	86, 54, 197
Decimal	5650117
CIE Lab	35.30, 50.50, -69.56
CIE LCh	35, 85.957, 305.976
Yxy	8.6480, 0.1964, 0.1115
Android (android.graphics.Color)	4283840197 (0xFF5636C5)
YUV	79.8700, 57.7451, 5.3760
Hunter-Lab	29.4075, 41.0116, -87.6612

Details

The XYZ color **15.2350, 8.6480, 53.6896** is a dark color, and the websafe version is hex **6633CC**. The color can be described as dark muted blue. A complement of this color would be **36.1479, 48.1977, 10.8878**, and the grayscale version is **7.4954, 7.8857, 8.5876**.

A 20% lighter version of the original color is **34.8544, 23.2316, 97.2549**, and **4.9042, 1.9964, 25.7181** is the 20% darker color. If you saturate the color by 10%, you get **13.2364, 6.5213, 53.3847**, and if you desaturate by 10%, it is **17.9069, 11.6726, 54.1328**.

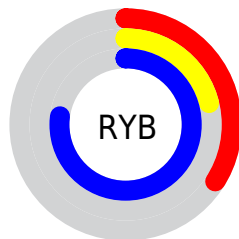
Distribution



Red (34%)

Green (21%)

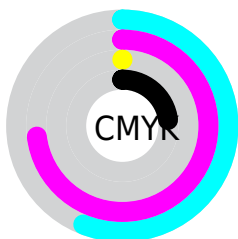
Blue (77%)



Red (34%)

Yellow (21%)

Blue (77%)

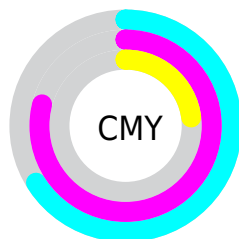


Cyan (56%)

Magenta (73%)

Yellow (0%)

Black (23%)



Cyan (66%)

Magenta (79%)

Yellow (23%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 15.2350, 8.6480, 53.6896 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 15.2350, 8.6480, 53.6896 by changing the saturation by 10% instead.

■ 15.2350, 8.6480,
53.6896

■ 15.2350, 8.6480,
53.6896

218.1445,
180.7298, 418.0664

■ 9.0719, 4.5123,
37.9621

■ 34.8332, 23.2193,
97.0701

■ 4.8456, 1.9641,
25.6516

■ 48.9990, 34.4238,
125.5602

■ 2.1908, 0.5865,
16.3398

■ 66.5630, 48.7532,
159.1416

■ 0.7379, 0.0000,
9.6080

■ 87.8907, 66.5921,
198.2328

■ 0.0000, 0.0000,
5.0376

■ 113.3473, 88.3248,
243.2523

■ 0.0000, 0.0000,
2.2102

■ 143.2982,

■ 0.0000, 0.0000,

114.3357, 294.6187

0.6803

178.1089,
145.0093, 352.7505

■ 0.0000, 0.0000,
0.0000

■ 15.2350, 8.6480,
53.6896

■ 15.2350, 8.6480,
53.6896

■ 13.2364, 6.5213,
53.3847

■ 17.9069, 11.6726,
54.1328

■ 11.8422, 5.1859,
53.2004

■ 21.3084, 15.6836,
54.7277

■ 11.1208, 4.5688,
53.1193

■ 25.4910, 20.7594,
55.4870

■ 30.5011, 26.9701,
56.4217

■ 36.3814, 34.3798,
57.5420

■ 43.1715, 43.0478,
58.8572

■ 50.9085, 53.0293,
60.3761

■ 59.6275, 64.3763,
62.1067

■ 69.3616, 77.1380,
64.0570

Harmonies

Analogous

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



9.2586, 8.6480, 71.6181



15.2350, 8.6480, 53.6896



20.4525, 8.6480, 25.5992

Triad

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



15.2350, 8.6480, 53.6896



12.7727, 8.6480, 0.0000



1.8967, 8.6480, 12.5735

Complementary

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



15.2350, 8.6480, 53.6896



36.1479, 48.1977, 10.8878

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.



2.2049, 8.6480, 2.0782



15.2350, 8.6480, 53.6896



7.2615, 8.6480, 0.0000

Square

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



15.2350, 8.6480, 53.6896



18.6740, 8.6480, 0.7245



3.7764, 8.6480, 0.0000



2.6466, 8.6480, 36.5043

Rectangle

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



15.2350, 8.6480, 53.6896



21.9699, 8.6480, 11.4772



3.7764, 8.6480, 0.0000



1.8860, 8.6480, 7.6180

Sweetspot

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



15.2355, 8.6482, 53.6898



65.4453, 61.9372, 103.1135



25.2386, 32.0940, 57.6881



13.3508, 12.4245, 21.9445



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



15.2355, 8.6482, 53.6898



22.1481, 10.1462, 95.3988



25.2013, 13.7857, 54.1562



10.2751, 10.4001, 13.3833



7.3749, 3.0361, 34.9417



0.4139, 0.1771, 1.6575

Inverse Universe

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



31.1362, 17.2250, 37.2781



52.8492, 26.7805, 60.3601



25.3014, 42.6061, 10.3802



10.9776, 10.7744, 12.8652



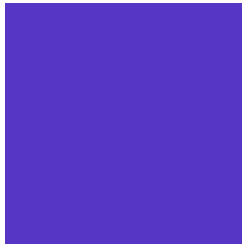
18.9547, 9.3314, 20.7691



0.9233, 0.4521, 1.1191

Previews

White Background



This preview shows how the XYZ color 15.2350, 8.6480, 53.6896 looks on a white background.

Color Contrast Check

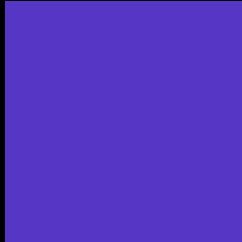
Large Text (above 18pt) WCAG AA ✓ Pass

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 15.2350, 8.6480, 53.6896 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

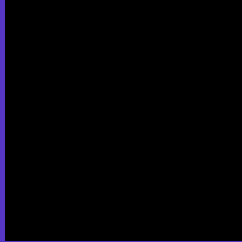
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 15.2350, 8.6480, 53.6896

Background



This preview shows how black text looks on a background with the XYZ color 15.2350, 8.6480, 53.6896.



This preview shows how white text looks on a background with the XYZ color 15.2350, 8.6480,

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

15.2350, 8.6480, 53.6896

Protanopia

10.0301, 8.6019, 38.6678

Deuteranopia

8.3593, 8.5413, 27.9961



Tritanopia

6.9026, 8.6177, 12.3659

Trichromacy



Original Color

15.2350, 8.6480, 53.6896

Protanomaly

10.9550, 8.0525, 43.6247

Deuteranomaly

9.7147, 7.8692, 36.1288

Tritanomaly

8.8047, 7.8865, 23.2485

Monochromacy



Original Color

15.2350, 8.6480, 53.6896

Achromatopsia

7.6249, 8.0220, 8.7359

Achromatomaly

9.3081, 7.7304, 19.7404

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.2350, 8.6480, 53.6896 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, 54, 197) looks like.

```
.text, #text, p{  
    color:rgb(86, 54, 197)  
}
```

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, 54, 197) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(86, 54, 197) }
```

Border

The CSS property to change the border of an element to XYZ 15.2350, 8.6480, 53.6896 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, 54, 197) }
```


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

```
.border{ border-color:rgb(86, 54, 197) }
```

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

Here you see how a box with a 4 pixel rgb(86, 54, 197) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(86, 54, 197); -webkit-box-  
shadow:4px 4px 4px 4px rgb(86, 54, 197);  
box-shadow:4px 4px 4px 4px rgb(86, 54,  
197) }
```

Background

The CSS property to change the background color of an element to XYZ 15.2350, 8.6480, 53.6896 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(86, 54, 197) }
```

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

```
.background{ background-color: rgb(86, 54,  
197) }
```

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