

Converting Colors

XYZ(15.7660, 8.0484, 59.1157)

Have a look what the booklet for
XYZ(15.7660, 8.0484, 59.1157)
contains.

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Color

**XYZ(15.8063, 8.0906,
59.1211)**

Conversions

Conversions Part 1

Format	Color
Hex	562ACE
RGB	86, 42, 206
RGB Percent	34%, 16%, 81%
CMY	0.6627, 0.8353, 0.1922
CMYK	0.58, 0.80, 0.00, 0.19
HSL	256°, 66%, 49%
HSV	256°, 80%, 81%
XYZ	15.8063, 8.0906, 59.1211
YIQ	73.8520, -26.4200, 60.3320

Conversions

Conversions Part 2

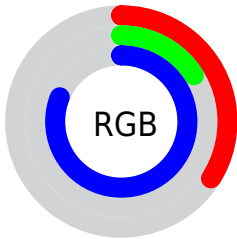
Format	Color
R _Y B	86, 42, 206
Decimal	5647054
CIE Lab	34.17, 58.70, -76.66
CIE LCh	34, 96.558, 307.443
Yxy	8.0906, 0.1904, 0.0975
Android (android.graphics.Color)	4283837134 (0xFF562ACE)
YUV	73.8520, 65.1490, 10.6538
Hunter-Lab	28.4440, 49.4154, -103.3241

Details

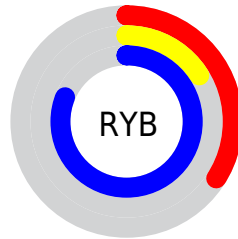
The XYZ color **15.8063, 8.0906, 59.1211** is a dark color, and the websafe version is hex **6633CC**. The color can be described as dark muted blue. A complement of this color would be **37.3881, 51.9906, 10.2549**, and the grayscale version is **6.3749, 6.7069, 7.3038**.

A 20% lighter version of the original color is **34.2654, 21.5213, 96.9558**, and **5.5050, 2.2020, 28.9890** is the 20% darker color. If you saturate the color by 10%, you get **14.0098, 6.3444, 58.8790**, and if you desaturate by 10%, it is **18.2716, 10.7381, 59.5024**.

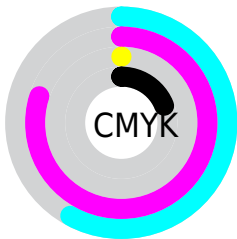
Distribution



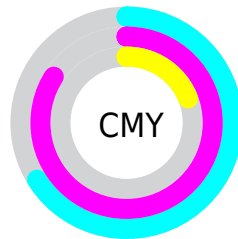
- Red (34%)
- Green (16%)
- Blue (81%)



- Red (34%)
- Yellow (16%)
- Blue (81%)



- Cyan (58%)
- Magenta (80%)
- Yellow (0%)
- Black (19%)



- Cyan (66%)
- Magenta (84%)
- Yellow (19%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 15.8063, 8.0906, 59.1211 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 15.8063, 8.0906, 59.1211 by changing the saturation by 10% instead.

■ 15.8063, 8.0906,
59.1211

■ 15.8063, 8.0906,
59.1211

■ 221.4889,
176.4409, 439.0649

■ 9.4772, 4.1530,
42.2900

■ 35.8218, 22.1359,
105.0845

■ 5.1133, 1.7595,
29.0011

■ 50.2388, 33.0123,
135.0538

■ 2.3493, 0.4617,
18.8361

■ 68.0826, 46.9704,
170.2397

■ 0.8197, 0.0000,
11.3763

■ 89.7183, 64.3947,
211.0605

■ 0.0000, 0.0000,
6.2032

■ 115.5115, 85.6695,
257.9349

■ 0.0000, 0.0000,
2.8982

■ 145.8274,

■ 0.0000, 0.0000,

111.1792, 311.2814

1.0429

181.0315,
141.3082, 371.5186

■ 0.0000, 0.0000,
0.0000

■ 15.8063, 8.0906,
59.1211

■ 15.8063, 8.0906,
59.1211

■ 14.0098, 6.3444,
58.8790

■ 18.2716, 10.7381,
59.5024

■ 12.7724, 5.3103,
58.7446

■ 21.4716, 14.3965,
60.0399

■ 12.7314, 5.2763,
58.7402

■ 25.4653, 19.1594,
60.7487

■ 30.3049, 25.1097,
61.6422

■ 36.0379, 32.3218,
62.7321

■ 42.7080, 40.8643,
64.0294

■ 50.3562, 50.8006,
65.5442

■ 59.0208, 62.1899,
67.2859

■ 68.7379, 75.0881,
69.2634

Harmonies

Analogous

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



9.1030, 8.0906, 82.3836



15.8063, 8.0906, 59.1211



21.6641, 8.0906, 25.6626

Triad

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



15.8063, 8.0906, 59.1211



12.3566, 8.0906, 0.0000



1.3307, 8.0906, 13.2102

Complementary

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



15.8063, 8.0906, 59.1211



37.3881, 51.9906, 10.2549

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.



1.5606, 8.0906, 1.6470



15.8063, 8.0906, 59.1211



6.4312, 8.0906, 0.0000

Square

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



15.8063, 8.0906, 59.1211



19.1099, 8.0906, 0.0147



2.9735, 8.0906, 0.0000



2.0683, 8.0906, 41.6703

Rectangle

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



15.8063, 8.0906, 59.1211



23.2528, 8.0906, 10.1918



2.9735, 8.0906, 0.0000



1.3071, 8.0906, 7.5578

Sweetspot

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



15.8068, 8.0908, 59.1213



63.9390, 59.4489, 102.7126



25.0627, 30.8831, 63.0329



12.8691, 11.6815, 21.8264



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.



15.8068, 8.0908, 59.1213



21.1324, 8.9734, 95.2260



28.0602, 14.4076, 59.6948



10.8795, 10.9872, 14.1177



7.9193, 3.2901, 36.1739



0.4824, 0.2078, 1.8696

Inverse Universe

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



32.8025, 17.3860, 35.8059



50.5698, 25.1691, 50.5141



25.8200, 46.0270, 9.7136



11.5541, 11.3504, 13.4523



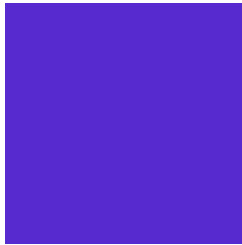
19.1415, 9.4672, 18.9956



1.0180, 0.5006, 1.1407

Previews

White Background



This preview shows how the XYZ color 15.8063, 8.0906, 59.1211 looks on a white background.

Color Contrast Check

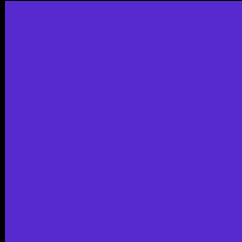
Large Text (above 18pt) WCAG AA ✓ Pass

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 15.8063, 8.0906, 59.1211 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

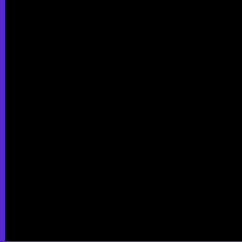
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 15.8063, 8.0906, 59.1211

Background



This preview shows how black text looks on a background with the XYZ color 15.8063, 8.0906, 59.1211.



This preview shows how white text looks on a background with the XYZ color 15.8063, 8.0906,

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

15.8063, 8.0906, 59.1211

Protanopia

9.3352, 8.0931, 35.7204

Deuteranopia

7.7535, 8.0506, 25.5714



Tritanopia

6.2653, 8.0559, 11.8144

Trichromacy



Original Color

15.8063, 8.0906, 59.1211

Protanomaly

10.5921, 7.3266, 43.5037

Deuteranomaly

9.2431, 7.0699, 35.5278

Tritanomaly

8.2573, 7.0965, 23.8562

Monochromacy



Original Color

15.8063, 8.0906, 59.1211

Achromatopsia

6.5089, 6.8478, 7.4573

Achromatomaly

8.3774, 6.4701, 19.2197

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.8063, 8.0906, 59.1211 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, 42, 206) looks like.

```
.text, #text, p{  
    color:rgb(86, 42, 206)  
}
```

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, 42, 206) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(86, 42, 206) }
```

Border

The CSS property to change the border of an element to XYZ 15.8063, 8.0906, 59.1211 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, 42, 206) }
```


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

```
.border{ border-color:rgb(86, 42, 206) }
```

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

Here you see how a box with a 4 pixel rgb(86, 42, 206) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(86, 42, 206); -webkit-box-  
shadow:4px 4px 4px 4px rgb(86, 42, 206);  
box-shadow:4px 4px 4px 4px rgb(86, 42,  
206) }
```

Background

The CSS property to change the background color of an element to XYZ 15.8063, 8.0906, 59.1211 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(86, 42, 206) }
```

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

```
.background{ background-color: rgb(86, 42,  
206) }
```

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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