

Converting Colors

XYZ(15.9039, 16.0195, 53.8670)

Have a look what the booklet for
XYZ(15.9039, 16.0195, 53.8670)
contains.

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Color

**XYZ(15.8927, 15.9877,
53.8781)**

Conversions

Conversions Part 1

Format	Color
Hex	0272C3
RGB	2, 114, 195
RGB Percent	1%, 45%, 76%
CMY	0.9920, 0.5529, 0.2353
CMYK	0.99, 0.42, 0.00, 0.24
HSL	205°, 98%, 39%
HSV	205°, 99%, 76%
XYZ	15.8927, 15.9877, 53.8781
YIQ	89.7460, -92.7530, 1.4470

Conversions

Conversions Part 2

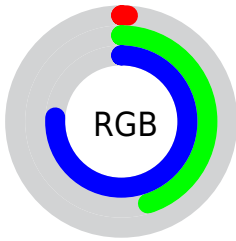
Format	Color
R_YB	2, 73, 195
Decimal	160451
CIE _{Lab}	46.96, 4.09, -49.64
CIE _{LCh}	47, 49.810, 274.706
Yxy	15.9877, 0.1853, 0.1864
Android (android.graphics.Color)	4278350531 (0xFF0272C3)
YUV	89.7460, 51.8902, -76.9532
Hunter-Lab	39.9846, 0.9754, -51.9023

Details

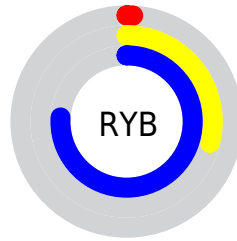
The XYZ color **15.8927, 15.9877, 53.8781** is a dark color, and the websafe version is hex **0066CC**. The color can be described as dark washed azure. A complement of this color would be **25.6135, 17.7995, 2.1443**, and the grayscale version is **9.5670, 10.0652, 10.9610**.

A 20% lighter version of the original color is **35.8497, 36.4253, 97.2368**, and **6.8149, 5.9374, 25.9862** is the 20% darker color. If you saturate the color by 10%, you get **15.7716, 15.7825, 53.8453**, and if you desaturate by 10%, it is **17.1537, 18.0705, 54.2140**.

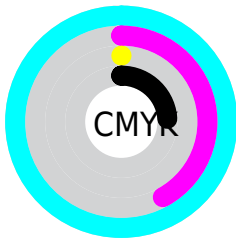
Distribution



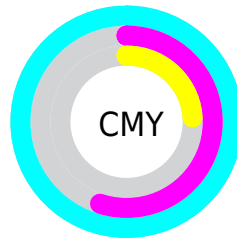
- Red (1%)
- Green (45%)
- Blue (76%)



- Red (1%)
- Yellow (29%)
- Blue (76%)



- Cyan (99%)
- Magenta (42%)
- Yellow (0%)
- Black (24%)



- Cyan (99%)
- Magenta (55%)
- Yellow (24%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 15.8927, 15.9877, 53.8781 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 15.8927, 15.9877, 53.8781 by changing the saturation by 10% instead.

■ 15.8927, 15.9877,
53.8781

■ 15.8927, 15.9877,
53.8781

221.9906,
229.2691, 418.8065

■ 9.5386, 9.5154,
38.1117

■ 35.9708, 36.5769,
97.3498

■ 5.1540, 5.0789,
25.7669

■ 50.4255, 51.4625,
125.8923

■ 2.3736, 2.2936,
16.4251

■ 68.3111, 69.9215,
159.5304

■ 0.8319, 0.7703,
9.6679

■ 89.9930, 92.3381,
198.6829

■ 0.0000, 0.0000,
5.0766

■ 115.8366,
119.0968, 243.7682

■ 0.0000, 0.0000,
2.2328

■ 146.2071,

■ 0.0000, 0.0000,

150.5819, 295.2048

0.6932

181.4700,
187.1779, 353.4114

■ 0.0000, 0.0000,
0.0000

■ 15.8927, 15.9877,
53.8781

■ 15.8927, 15.9877,
53.8781

■ 15.7716, 15.7825,
53.8453

■ 17.1537, 18.0705,
54.2140

■ 18.7988, 20.4769,
54.5918

■ 20.9155, 23.2553,
55.0165

■ 23.5561, 26.4353,
55.4911

■ 26.7650, 30.0426,
56.0183

■ 30.5816, 34.1003,
56.6004

■ 35.0413, 38.6294,
57.2395

■ 40.1770, 43.6491,
57.9377

■ 46.0189, 49.1776,
58.6969

Harmonies

Analogous

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



11.8938, 15.9877, 49.3061



15.8927, 15.9877, 53.8781



20.4752, 15.9877, 45.4741

Triad

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



15.8927, 15.9877, 53.8781



23.1648, 15.9877, 7.0180



8.8166, 15.9877, 9.0452

Complementary

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



15.8927, 15.9877, 53.8781



25.6135, 17.7995, 2.1443

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.



10.9122, 15.9877, 4.2047



15.8927, 15.9877, 53.8781



19.0586, 15.9877, 3.4873

Square

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



15.8927, 15.9877, 53.8781



25.1536, 15.9877, 15.5149



14.5196, 15.9877, 2.7821



8.2890, 15.9877, 19.4489

Rectangle

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



15.8927, 15.9877, 53.8781



23.0996, 15.9877, 35.2487



14.5196, 15.9877, 2.7821



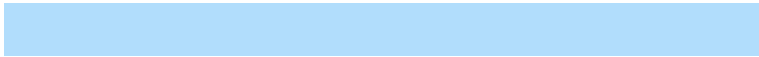
9.3384, 15.9877, 6.9086

Sweetspot

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



15.8934, 15.9882, 53.8785



61.4750, 67.9031, 102.3363



21.0807, 39.6596, 14.6150



12.6955, 14.0955, 22.3015



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.



15.8934, 15.9882, 53.8785



27.9947, 27.7621, 96.3529



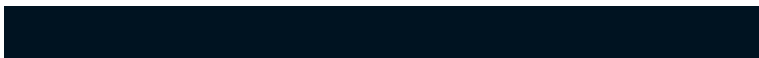
10.0942, 4.3899, 51.9455



10.0028, 10.6969, 12.8223



10.3352, 10.4270, 35.0245



0.5135, 0.5844, 1.5356

Inverse Universe

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



25.5653, 12.8614, 17.0549



45.5336, 22.8698, 29.4036



38.6213, 43.8151, 6.4802



10.3127, 10.1737, 11.7372



16.6127, 8.3348, 11.1386



0.7516, 0.3736, 0.6591

Previews

White Background



This preview shows how the XYZ color 15.8927, 15.9877, 53.8781 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



This preview shows how the XYZ color 15.8927, 15.9877, 53.8781 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

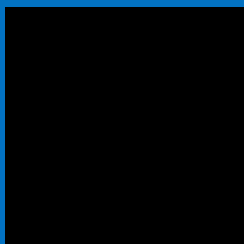
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 15.8927, 15.9877, 53.8781

Background



This preview shows how black text looks on a background with the XYZ color 15.8927, 15.9877, 53.8781.



This preview shows how white text looks on a background with the XYZ color 15.8927, 15.9877,

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

15.8927, 15.9877, 53.8781

Protanopia

17.5284, 15.9357, 50.2962

Deuteranopia

16.5184, 16.1437, 53.8752



Tritanopia

11.2478, 15.8319, 24.2928

Trichromacy



Original Color

15.8927, 15.9877, 53.8781

Protanomaly

16.2465, 15.5664, 51.4385

Deuteranomaly

16.1321, 15.9446, 53.8571

Tritanomaly

12.6454, 15.8060, 33.3947

Monochromacy



Original Color

15.8927, 15.9877, 53.8781

Achromatopsia

9.7181, 10.2242, 11.1341

Achromatomaly

10.1030, 11.3817, 22.0865

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.8927, 15.9877, 53.8781 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(2, 114, 195)` looks like.

```
.text, #text, p{  
    color:rgb(2, 114, 195)  
}
```

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(2, 114, 195) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(2, 114, 195) }
```

Border

The CSS property to change the border of an element to XYZ 15.8927, 15.9877, 53.8781 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(2, 114, 195) }
```


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

```
.border{ border-color:rgb(2, 114, 195) }
```

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

Here you see how a box with a 4 pixel `rgb(2, 114, 195)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(2, 114, 195); -webkit-box-  
shadow:4px 4px 4px 4px rgb(2, 114, 195);  
box-shadow:4px 4px 4px 4px rgb(2, 114,  
195) }
```

Background

The CSS property to change the background color of an element to XYZ 15.8927, 15.9877, 53.8781 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(2, 114, 195) }
```

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

```
.background{ background-color: rgb(2, 114,  
195) }
```

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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