

Converting Colors

XYZ(15.8554, 14.4099, 57.2044)

Have a look what the booklet for
XYZ(15.8554, 14.4099, 57.2044)
contains.

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Color

**XYZ(15.8827, 14.4689,
57.2140)**

Conversions

Conversions Part 1

Format	Color
Hex	1469C9
RGB	20, 105, 201
RGB Percent	8%, 41%, 79%
CMY	0.9215, 0.5882, 0.2118
CMYK	0.90, 0.48, 0.00, 0.21
HSL	212°, 82%, 43%
HSV	212°, 90%, 79%
XYZ	15.8827, 14.4689, 57.2140
YIQ	90.5290, -81.4760, 11.8360

Conversions

Conversions Part 2

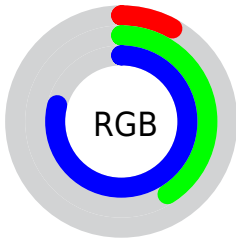
Format	Color
R_{YB}	20, 78, 201
Decimal	1337801
CIE _{Lab}	44.90, 12.91, -56.39
CIE _{LCh}	45, 57.852, 282.894
Yxy	14.4689, 0.1814, 0.1652
Android (android.graphics.Color)	4279527881 (0xFF1469C9)
YUV	90.5290, 54.4622, -61.8539
Hunter-Lab	38.0380, 7.9658, -62.5531

Details

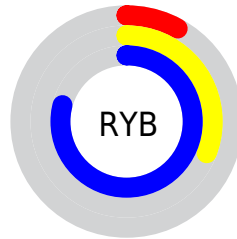
The XYZ color **15.8827, 14.4689, 57.2140** is a dark color, and the websafe version is hex **0066CC**. The color can be described as dark washed azure. A complement of this color would be **30.4629, 24.9658, 3.8765**, and the grayscale version is **9.7335, 10.2404, 11.1518**.

A 20% lighter version of the original color is **35.4180, 33.8217, 99.2693**, and **6.7523, 5.2033, 27.8426** is the 20% darker color. If you saturate the color by 10%, you get **14.5788, 12.2894, 56.8624**, and if you desaturate by 10%, it is **17.6294, 17.0840, 57.6271**.

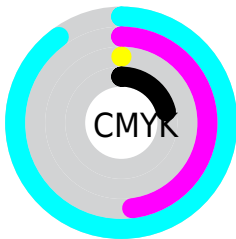
Distribution



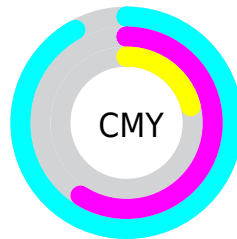
- Red (8%)
- Green (41%)
- Blue (79%)



- Red (8%)
- Yellow (31%)
- Blue (79%)



- Cyan (90%)
- Magenta (48%)
- Yellow (0%)
- Black (21%)



- Cyan (92%)
- Magenta (59%)
- Yellow (21%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 15.8827, 14.4689, 57.2140 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 15.8827, 14.4689, 57.2140 by changing the saturation by 10% instead.

■ 15.8827, 14.4689,
57.2140

■ 15.8827, 14.4689,
57.2140

221.9326,
220.1287, 431.7669

■ 9.5315, 8.4475,
40.7666

■ 35.9535, 33.9187,
102.2808

■ 5.1493, 4.3826,
27.8184

■ 50.4039, 48.1160,
131.7373

■ 2.3708, 1.8898,
17.9510

■ 68.2847, 65.8073,
166.3672

■ 0.8305, 0.5422,
10.7457

■ 89.9613, 87.3771,
206.5890

■ 0.0000, 0.0000,
5.7841

■ 115.7990,
113.2097, 252.8214

■ 0.0000, 0.0000,
2.6476

146.1632,

■ 0.0000, 0.0000,

143.6896, 305.4828

0.9169

181.4193,
179.2011, 364.9918

■ 0.0000, 0.0000,
0.0000

■ 15.8827, 14.4689,
57.2140

■ 15.8827, 14.4689,
57.2140

■ 14.5788, 12.2894,
56.8624

■ 17.6294, 17.0840,
57.6271

■ 19.9226, 20.1899,
58.1057

■ 22.8228, 23.8248,
58.6544

■ 26.3810, 28.0212,
59.2769

■ 30.6424, 32.8087,
59.9764

■ 35.6477, 38.2142,
60.7559

■ 41.4344, 44.2626,
61.6184

■ 48.0374, 50.9775,
62.5665

■ 55.4892, 58.3809,
63.6027

Harmonies

Analogous

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



11.2473, 14.4689, 56.0514



15.8827, 14.4689, 57.2140



20.9161, 14.4689, 43.5700

Triad

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



15.8827, 14.4689, 57.2140



21.5474, 14.4689, 3.8457



6.7637, 14.4689, 9.2686

Complementary

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



15.8827, 14.4689, 57.2140



30.4629, 24.9658, 3.8765

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.



8.4453, 14.4689, 3.3409



15.8827, 14.4689, 57.2140



16.6040, 14.4689, 1.6712

Square

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



15.8827, 14.4689, 57.2140



24.6565, 14.4689, 10.6284



11.8214, 14.4689, 1.5626



6.6565, 14.4689, 22.3089

Rectangle

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



15.8827, 14.4689, 57.2140



23.5382, 14.4689, 30.8479



11.8214, 14.4689, 1.5626



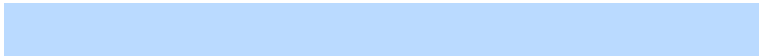
7.1422, 14.4689, 6.6183

Sweetspot

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



15.8834, 14.4693, 57.2144



63.5314, 68.0684, 104.3978



24.1865, 43.1268, 22.8296



12.9052, 13.8358, 22.2403



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.



15.8834, 14.4693, 57.2144



24.7340, 20.5880, 97.2780



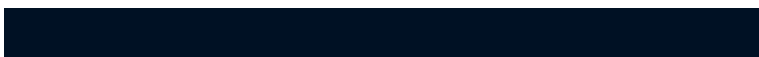
11.1477, 4.9011, 55.6171



10.4604, 11.0949, 13.5077



9.2566, 7.9072, 35.7827



0.5107, 0.5191, 1.7184

Inverse Universe

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



26.8880, 13.9389, 14.6380



44.6138, 22.6095, 19.6960



44.2979, 53.8278, 8.7182



10.8377, 10.7185, 12.1284



16.4717, 8.3382, 7.6936



0.8165, 0.4094, 0.5566

Previews

White Background



This preview shows how the XYZ color 15.8827, 14.4689, 57.2140 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 15.8827, 14.4689, 57.2140 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

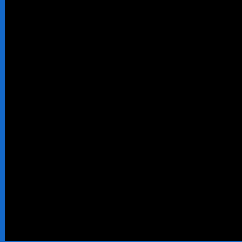
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 15.8827, 14.4689, 57.2140

Background



This preview shows how black text looks on a background with the XYZ color 15.8827, 14.4689, 57.2140.



This preview shows how white text looks on a background with the XYZ color 15.8827, 14.4689,

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

15.8827, 14.4689, 57.2140

Protanopia

16.4657, 14.3642, 55.3308

Deuteranopia

14.5479, 14.3992, 50.1567



Tritanopia

10.0630, 14.2032, 21.6132

Trichromacy



Original Color

15.8827, 14.4689, 57.2140

Protanomaly

16.1139, 14.3163, 55.9469

Deuteranomaly

14.9710, 14.4108, 52.4446

Tritanomaly

11.7425, 14.1553, 32.2503

Monochromacy



Original Color

15.8827, 14.4689, 57.2140

Achromatopsia

9.9438, 10.4616, 11.3927

Achromatomaly

10.4596, 11.1283, 23.0694

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.8827, 14.4689, 57.2140 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(20, 105, 201)` looks like.

```
.text, #text, p{  
    color:rgb(20, 105, 201)  
}
```

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(20, 105, 201) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(20, 105, 201) }
```

Border

The CSS property to change the border of an element to XYZ 15.8827, 14.4689, 57.2140 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(20, 105, 201) }
```


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

```
.border{ border-color:rgb(20, 105, 201) }
```

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

Here you see how a box with a 4 pixel `rgb(20, 105, 201)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(20, 105, 201); -webkit-box-  
shadow:4px 4px 4px 4px rgb(20, 105, 201);  
box-shadow:4px 4px 4px 4px rgb(20, 105,  
201) }
```

Background

The CSS property to change the background color of an element to XYZ 15.8827, 14.4689, 57.2140 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(20, 105, 201) }
```

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

```
.background{ background-color: rgb(20, 105,  
201) }
```

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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