

Converting Colors

XYZ(15.9226, 14.1683, 47.0234)

Have a look what the booklet for
XYZ(15.9226, 14.1683, 47.0234)
contains.

XYZ(15.9039, 14.1076, 47.2322)	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(15.9039, 14.1076,
47.2322)**

Conversions

Conversions Part 1

Format	Color
Hex	4765B8
RGB	71, 101, 184
RGB Percent	28%, 40%, 72%
CMY	0.7215, 0.6039, 0.2784
CMYK	0.61, 0.45, 0.00, 0.28
HSL	224°, 44%, 50%
HSV	224°, 61%, 72%
XYZ	15.9039, 14.1076, 47.2322
YIQ	101.4920, -44.5230, 19.4530

Conversions

Conversions Part 2

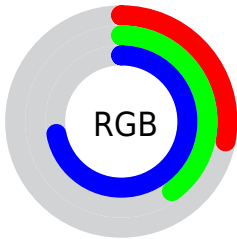
Format	Color
R_{YB}	71, 95, 184
Decimal	4679096
CIE _{Lab}	44.39, 15.24, -47.28
CIE _{LCh}	44, 49.677, 287.859
Yxy	14.1076, 0.2059, 0.1826
Android (android.graphics.Color)	4282869176 (0xFF4765B8)
YUV	101.4920, 40.6764, -26.7415
Hunter-Lab	37.5601, 9.8513, -48.2657

Details

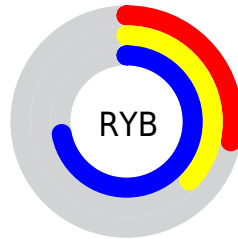
The XYZ color **15.9039, 14.1076, 47.2322** is a dark color, and the websafe version is hex **3366CC**. A complement of this color would be **32.4613, 33.7584, 10.7673**, and the grayscale version is **12.4036, 13.0496, 14.2110**.

A 20% lighter version of the original color is **36.1587, 33.4745, 87.7745**, and **5.3955, 4.3441, 21.6732** is the 20% darker color. If you saturate the color by 10%, you get **13.5469, 11.1022, 46.7766**, and if you desaturate by 10%, it is **18.8864, 17.7562, 47.7796**.

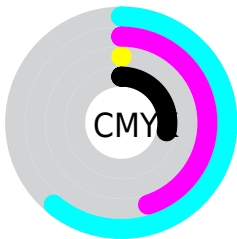
Distribution



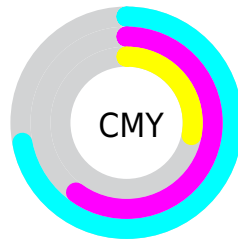
- Red (28%)
- Green (40%)
- Blue (72%)



- Red (28%)
- Yellow (37%)
- Blue (72%)



- Cyan (61%)
- Magenta (45%)
- Yellow (0%)
- Black (28%)



- Cyan (72%)
- Magenta (60%)
- Yellow (28%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 15.9039, 14.1076, 47.2322 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 15.9039, 14.1076, 47.2322 by changing the saturation by 10% instead.

■ 15.9039, 14.1076,
47.2322

■ 15.9039, 14.1076,
47.2322

222.0555,
217.8992, 392.1612

■ 9.5466, 8.1955,
32.8636

■ 35.9901, 33.2798,
87.4137

■ 5.1593, 4.2203,
21.7517

■ 50.4497, 47.3088,
114.0637

■ 2.3768, 1.7976,
13.4780

■ 68.3407, 64.8122,
145.6446

■ 0.8335, 0.4857,
7.6239

■ 90.0286, 86.1744,
182.5749

■ 0.0000, 0.0000,
3.7710

■ 115.8787,
111.7798, 225.2732

■ 0.0000, 0.0000,
1.5006

146.2563,

■ 0.0000, 0.0000,

142.0128, 274.1580

0.2183

181.5268,
177.2578, 329.6478

■ 0.0000, 0.0000,
0.0000

■ 15.9039, 14.1076,
47.2322

■ 15.9039, 14.1076,
47.2322

■ 13.5469, 11.1022,
46.7766

■ 18.8864, 17.7562,
47.7796

■ 11.7650, 8.6978,
46.4065

■ 22.5359, 22.0834,
48.4225

■ 10.5019, 6.8487,
46.1161

■ 26.8922, 27.1237,
49.1657

■ 9.7436, 5.6443,
45.9236

■ 31.9914, 32.9085,
50.0135

■ 37.8670, 39.4674,
50.9699

■ 44.5505, 46.8283,
52.0384

■ 52.0716, 55.0177,
53.2227

■ 60.4583, 64.0607,
54.5262

■ 69.7375, 73.9815,
55.9520

Harmonies

Analogous

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



11.8581, 14.1076, 48.4430



15.9039, 14.1076, 47.2322



19.9454, 14.1076, 35.3404

Triad

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



15.9039, 14.1076, 47.2322



19.2479, 14.1076, 4.1449



7.2165, 14.1076, 11.1850

Complementary

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



15.9039, 14.1076, 47.2322



32.4613, 33.7584, 10.7673

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.



8.4836, 14.1076, 4.8270



15.9039, 14.1076, 47.2322



15.0892, 14.1076, 2.3329

Square

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



15.9039, 14.1076, 47.2322



22.1242, 14.1076, 9.5561



11.1894, 14.1076, 2.4983



7.3484, 14.1076, 23.1389

Rectangle

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



15.9039, 14.1076, 47.2322



21.8514, 14.1076, 25.2270



11.1894, 14.1076, 2.4983



7.4806, 14.1076, 8.4749

Sweetspot

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



15.9045, 14.1080, 47.2326



61.1506, 63.1990, 91.1803



25.5613, 37.9497, 36.4923



12.5479, 12.9120, 19.5525



88.6918, 93.3107, 101.6153



17.8044, 18.7317, 20.3988

Same Dimension

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



15.9045, 14.1080, 47.2326



23.2028, 18.3326, 84.5202



15.8748, 10.5297, 46.5434



8.7099, 9.0969, 11.3763



6.7658, 3.9912, 31.6669



0.2910, 0.2457, 1.1338

Inverse Universe

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



24.3699, 15.6372, 14.0460



40.3559, 23.0661, 16.9087



32.3070, 41.9684, 12.3601



9.0999, 9.0503, 9.8735



14.0287, 7.1852, 2.7721



0.5211, 0.2639, 0.2373

Previews

White Background



This preview shows how the XYZ color 15.9039, 14.1076, 47.2322 looks on a white background.

Color Contrast Check

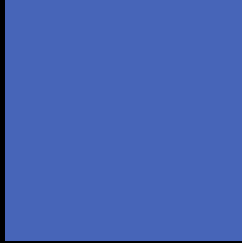
Large Text (above 18pt) WCAG AA ✓ Pass

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 15.9039, 14.1076, 47.2322 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

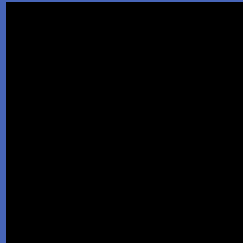
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 15.9039, 14.1076, 47.2322

Background



This preview shows how black text looks on a background with the XYZ color 15.9039, 14.1076, 47.2322.



This preview shows how white text looks on a background with the XYZ color 15.9039, 14.1076,

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

15.9039, 14.1076, 47.2322

Protanopia

15.7551, 14.1638, 47.8024

Deuteranopia

14.5380, 14.1583, 46.7663



Tritanopia

10.7237, 14.2089, 21.2462

Trichromacy



Original Color

15.9039, 14.1076, 47.2322

Protanomaly

15.8922, 14.2345, 47.8089

Deuteranomaly

14.8628, 14.0233, 46.7232

Tritanomaly

12.2324, 13.9841, 29.2486

Monochromacy



Original Color

15.9039, 14.1076, 47.2322

Achromatopsia

12.3695, 13.0136, 14.1719

Achromatomaly

12.9669, 13.1197, 23.3217

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.9039, 14.1076, 47.2322 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(71, 101, 184)` looks like.

```
.text, #text, p{  
    color:rgb(71, 101, 184)  
}
```

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(71, 101, 184) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(71, 101, 184) }
```

Border

The CSS property to change the border of an element to XYZ 15.9039, 14.1076, 47.2322 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(71, 101, 184) }
```


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

```
.border{ border-color:rgb(71, 101, 184) }
```

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

Here you see how a box with a 4 pixel `rgb(71, 101, 184)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(71, 101, 184); -webkit-box-  
shadow:4px 4px 4px 4px rgb(71, 101, 184);  
box-shadow:4px 4px 4px 4px rgb(71, 101,  
184) }
```

Background

The CSS property to change the background color of an element to XYZ 15.9039, 14.1076, 47.2322 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(71, 101, 184) }
```

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

```
.background{ background-color: rgb(71, 101,  
184) }
```

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