

Converting Colors

XYZ(14.5311, 16.1035, 42.1057)

Have a look what the booklet for
XYZ(14.5311, 16.1035, 42.1057)
contains.

XYZ(14.4692, 16.0310, 41.8669)	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(14.4692, 16.0310,
41.8669)**

Conversions

Conversions Part 1

Format	Color
Hex	1F75AD
RGB	31, 117, 173
RGB Percent	12%, 46%, 68%
CMY	0.8784, 0.5412, 0.3216
CMYK	0.82, 0.32, 0.00, 0.32
HSL	204°, 70%, 40%
HSV	204°, 82%, 68%
XYZ	14.4692, 16.0310, 41.8669
YIQ	97.6700, -69.2320, -0.8160

Conversions

Conversions Part 2

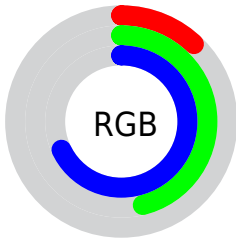
Format	Color
R_{YB}	31, 85, 173
Decimal	2061741
CIE _{Lab}	47.02, -4.64, -36.79
CIE _{LCh}	47, 37.079, 262.810
Yxy	16.0310, 0.1999, 0.2215
Android (android.graphics.Color)	4280251821 (0xFF1F75AD)
YUV	97.6700, 37.1377, -58.4696
Hunter-Lab	40.0387, -5.5614, -33.9701




Details

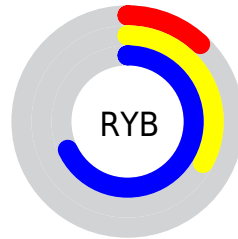
The XYZ color **14.4692, 16.0310, 41.8669** is a dark color, and the websafe version is hex **006699**. A complement of this color would be **20.8905, 15.8019, 3.2463**, and the grayscale version is **11.4519, 12.0483, 13.1206**.




A 20% lighter version of the original color is **33.5864, 36.7424, 79.4505**, and **5.5183, 5.6123, 18.5617** is the 20% darker color. If you saturate the color by 10%, you get **13.3148, 14.2986, 41.5937**, and if you desaturate by 10%, it is **15.9623, 18.0245, 42.1733**.

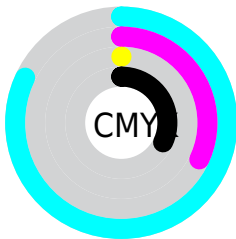
Distribution







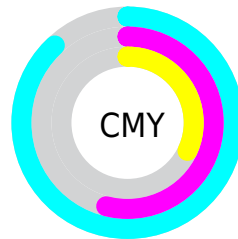
-  Red (12%)
-  Green (46%)
-  Blue (68%)






-  Red (12%)
-  Yellow (33%)
-  Blue (68%)



-  Cyan (82%)
-  Magenta (32%)
-  Yellow (0%)
-  Black (32%)



-  Cyan (88%)
-  Magenta (54%)
-  Yellow (32%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 14.4692, 16.0310, 41.8669 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 14.4692, 16.0310, 41.8669 by changing the saturation by 10% instead.

■ 14.4692, 16.0310,
41.8669

■ 14.4692, 16.0310,
41.8669

■ 213.5832,
229.5246, 369.7143

■ 8.5316, 9.5461,
28.6723

■ 33.4986, 36.6520,
79.2661

■ 4.4916, 5.0991,
18.5896

■ 47.3212, 51.5569,
104.3077

■ 1.9838, 2.3055,
11.2003

■ 64.5027, 70.0373,
134.1354

■ 0.6249, 0.7766,
6.0859

■ 85.4086, 92.4774,
169.1678

■ 0.0000, 0.0000,
2.8277

■ 110.4043,
119.2619, 209.8233

■ 0.0000, 0.0000,
1.0074

■ 139.8550,

■ 0.0000, 0.0000,

150.7750, 256.5205

0.0000

174.1262,
187.4010, 309.6780

■ 14.4692, 16.0310,
41.8669

■ 14.4692, 16.0310,
41.8669

■ 13.3148, 14.2986,
41.5937

■ 15.9623, 18.0245,
42.1733

■ 12.5710, 13.0734,
41.3964

■ 17.8328, 20.3001,
42.5140

■ 20.1153, 22.8776,
42.8912

■ 22.8399, 25.7743,
43.3067

■ 26.0337, 29.0056,
43.7621

■ 29.7213, 32.5859,
44.2588

■ 33.9256, 36.5285,
44.7982

■ 38.6680, 40.8459,
45.3816

■ 43.9686, 45.5499,
46.0102

Harmonies

Analogous

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



11.7677, 16.0310, 35.9132



14.4692, 16.0310, 41.8669



17.7864, 16.0310, 39.6547

Triad

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



14.4692, 16.0310, 41.8669



21.7433, 16.0310, 11.4031



10.7869, 16.0310, 8.7277

Complementary

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



14.4692, 16.0310, 41.8669



20.8905, 15.8019, 3.2463

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.



12.9436, 16.0310, 5.6204



14.4692, 16.0310, 41.8669



19.3287, 16.0310, 6.7381

Square

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



14.4692, 16.0310, 41.8669



22.3044, 16.0310, 19.7888



16.0315, 16.0310, 5.0503



9.8466, 16.0310, 15.3123

Rectangle

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



14.4692, 16.0310, 41.8669



19.8831, 16.0310, 34.1221



16.0315, 16.0310, 5.0503



11.3776, 16.0310, 7.3530

Sweetspot

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



14.4698, 16.0315, 41.8673



50.9062, 56.1312, 78.9571



17.1665, 30.8419, 13.7350



10.5768, 11.7263, 17.0936



82.5889, 86.8899, 94.6231



15.4596, 16.2647, 17.7123

Same Dimension

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



14.4698, 16.0315, 41.8673



22.6058, 23.5140, 74.1530



9.1482, 5.3883, 40.0934



7.9672, 8.5337, 10.1800



9.2921, 9.7180, 30.4305



0.3098, 0.3730, 0.8637

Inverse Universe

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



20.9350, 11.1494, 17.8786



35.4767, 17.8341, 25.4910



29.4430, 32.9067, 6.0971



8.2012, 8.0937, 9.3705



14.5538, 7.2841, 10.5619



0.4308, 0.2130, 0.4303

Previews

White Background



This preview shows how the XYZ color 14.4692, 16.0310, 41.8669 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 14.4692, 16.0310, 41.8669 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

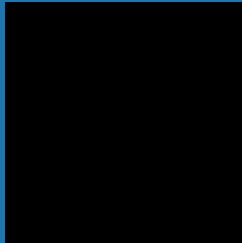
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 14.4692, 16.0310, 41.8669

Background



This preview shows how black text looks on a background with the XYZ color 14.4692, 16.0310, 41.8669.



This preview shows how white text looks on a background with the XYZ color 14.4692, 16.0310,

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

14.4692, 16.0310, 41.8669

Protanopia

16.6660, 15.9146, 38.2698

Deuteranopia

16.3049, 15.9614, 42.2659



Tritanopia

11.3166, 15.8594, 24.6550

Trichromacy



Original Color

14.4692, 16.0310, 41.8669

Protanomaly

15.4098, 15.7181, 39.7578

Deuteranomaly

15.4086, 15.8269, 42.2872

Tritanomaly

12.3207, 15.8840, 30.4335

Monochromacy



Original Color

14.4692, 16.0310, 41.8669

Achromatopsia

11.6093, 12.2139, 13.3009

Achromatomaly

11.5773, 13.0397, 21.3088

CSS Examples

Text

The CSS property to change the color of the text to XYZ 14.4692, 16.0310, 41.8669 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(31, 117, 173)` looks like.

```
.text, #text, p{  
    color:rgb(31, 117, 173)  
}
```

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(31, 117, 173) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(31, 117, 173) }
```

Border

The CSS property to change the border of an element to XYZ 14.4692, 16.0310, 41.8669 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(31, 117, 173) }
```


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

```
.border{ border-color:rgb(31, 117, 173) }
```

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

Here you see how a box with a 4 pixel rgb(31, 117, 173) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(31, 117, 173); -webkit-box-  
shadow:4px 4px 4px 4px rgb(31, 117, 173);  
box-shadow:4px 4px 4px 4px rgb(31, 117,  
173) }
```

Background

The CSS property to change the background color of an element to XYZ 14.4692, 16.0310, 41.8669 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(31, 117, 173) }
```

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

```
.background{ background-color: rgb(31, 117,  
173) }
```

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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