

Converting Colors

XYZ(14.6589, 16.7064, 41.6129)

Have a look what the booklet for
XYZ(14.6589, 16.7064, 41.6129)
contains.

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Color

**XYZ(14.6149, 16.6445,
41.4722)**

Conversions

Conversions Part 1

Format	Color
Hex	1B78AC
RGB	27, 120, 172
RGB Percent	11%, 47%, 67%
CMY	0.8941, 0.5294, 0.3255
CMYK	0.84, 0.30, 0.00, 0.33
HSL	202°, 73%, 39%
HSV	202°, 84%, 67%
XYZ	14.6149, 16.6445, 41.4722
YIQ	98.1210, -72.1200, -3.5440

Conversions

Conversions Part 2

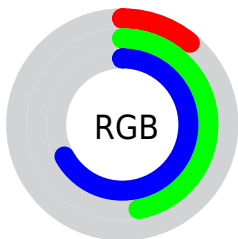
Format	Color
R_{YB}	27, 84, 172
Decimal	1800364
CIE _{Lab}	47.81, -7.17, -34.96
CIE _{LCh}	48, 35.688, 258.411
Yxy	16.6445, 0.2009, 0.2288
Android (android.graphics.Color)	4279990444 (0xFF1B78AC)
YUV	98.1210, 36.4223, -62.3731
Hunter-Lab	40.7977, -7.4521, -31.7119

Details

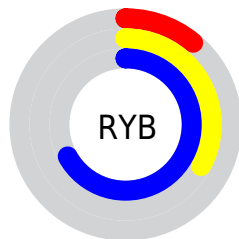
The XYZ color **14.6149, 16.6445, 41.4722** is a dark color, and the websafe version is hex **006699**. A complement of this color would be **20.0086, 14.4443, 2.7714**, and the grayscale version is **11.5660, 12.1683, 13.2513**.

A 20% lighter version of the original color is **33.7931, 37.7032, 78.8951**, and **5.6471, 5.9666, 18.3068** is the 20% darker color. If you saturate the color by 10%, you get **13.5678, 15.0387, 41.2178**, and if you desaturate by 10%, it is **15.9771, 18.4841, 41.7558**.

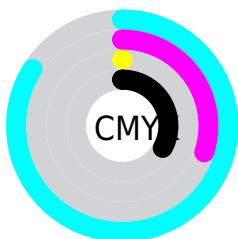
Distribution



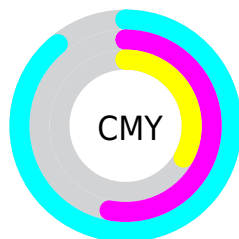
- Red (11%)
- Green (47%)
- Blue (67%)



- Red (11%)
- Yellow (33%)
- Blue (67%)



- Cyan (84%)
- Magenta (30%)
- Yellow (0%)
- Black (33%)



- Cyan (89%)
- Magenta (53%)
- Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 14.6149, 16.6445, 41.4722 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 14.6149, 16.6445, 41.4722 by changing the saturation by 10% instead.

■ 14.6149, 16.6445,
41.4722

■ 14.6149, 16.6445,
41.4722

214.4582,
233.1153, 368.0252

■ 8.6341, 9.9814,
28.3658

■ 33.7534, 37.7135,
78.6616

■ 4.5585, 5.3866,
18.3601

■ 47.6418, 52.8882,
103.5817

■ 2.0227, 2.4758,
11.0367

■ 64.8968, 71.6688,
133.2767

■ 0.6467, 0.8645,
5.9771

■ 85.8838, 94.4398,
168.1653

■ 0.0000, 0.0000,
2.7626

■ 110.9681,
121.5856, 208.6659

■ 0.0000, 0.0000,
0.9747

■ 140.5150,

■ 0.0000, 0.0000,

153.4905, 255.1970

0.0000

174.8899,
190.5389, 308.1773

■ 14.6149, 16.6445,
41.4722

■ 14.6149, 16.6445,
41.4722

■ 13.5678, 15.0387,
41.2178

■ 15.9771, 18.4841,
41.7558

■ 13.0561, 14.1978,
41.0824

■ 17.6940, 20.5786,
42.0696

■ 19.8007, 22.9475,
42.4158

■ 22.3272, 25.6077,
42.7961

■ 25.3005, 28.5741,
43.2120

■ 28.7452, 31.8606,
43.6648

■ 32.6839, 35.4800,
44.1558

■ 37.1377, 39.4443,
44.6863

■ 42.1265, 43.7648,
45.2573

Harmonies

Analogous

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



12.0743, 16.6445, 34.7732



14.6149, 16.6445, 41.4722



17.8458, 16.6445, 40.5362

Triad

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



14.6149, 16.6445, 41.4722



22.4121, 16.6445, 13.1040



11.6467, 16.6445, 8.7558

Complementary

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



14.6149, 16.6445, 41.4722



20.0086, 14.4443, 2.7714

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.



13.9538, 16.6445, 6.0110



14.6149, 16.6445, 41.4722



20.2701, 16.6445, 7.8736

Square

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



14.6149, 16.6445, 41.4722



22.6521, 16.6445, 21.9021



17.0898, 16.6445, 5.7545



10.5217, 16.6445, 14.8058

Rectangle

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



14.6149, 16.6445, 41.4722



19.9629, 16.6445, 35.7533



17.0898, 16.6445, 5.7545



12.2942, 16.6445, 7.5184

Sweetspot

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



14.6155, 16.6451, 41.4726



51.3806, 57.0800, 79.1153



16.5717, 30.2852, 12.1351



10.6915, 11.9558, 17.1319



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.



14.6155, 16.6451, 41.4726



23.4696, 25.3250, 74.4570



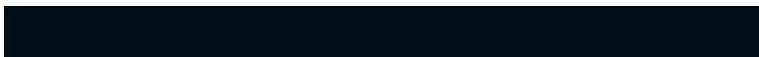
8.9874, 5.3888, 39.5966



7.9910, 8.5814, 10.1879



9.7691, 10.6720, 30.5895



0.3210, 0.3954, 0.8674

Inverse Universe

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



20.7960, 10.9115, 18.7797



35.8923, 17.9224, 27.9200



28.1582, 30.7435, 5.4879



8.2133, 8.0986, 9.4339



14.7946, 7.3804, 11.8298



0.4364, 0.2153, 0.4600

Previews

White Background



This preview shows how the XYZ color 14.6149, 16.6445, 41.4722 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 14.6149, 16.6445, 41.4722 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

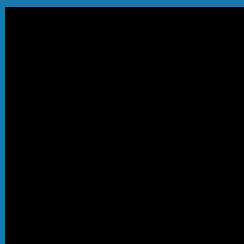
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

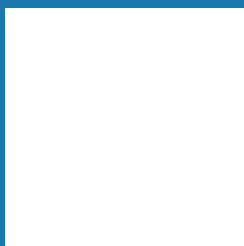
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 14.6149, 16.6445, 41.4722

Background



This preview shows how black text looks on a background with the XYZ color 14.6149, 16.6445, 41.4722.



This preview shows how white text looks on a background with the XYZ color 14.6149, 16.6445,

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

14.6149, 16.6445, 41.4722

Protanopia

17.1953, 16.5184, 37.8794

Deuteranopia

17.0248, 16.6601, 42.3628



Tritanopia

11.8340, 16.6710, 25.5158

Trichromacy



Original Color

14.6149, 16.6445, 41.4722

Protanomaly

15.6110, 16.1639, 39.3429

Deuteranomaly

15.7748, 16.5320, 41.8947

Tritanomaly

12.6781, 16.6180, 30.5564

Monochromacy



Original Color

14.6149, 16.6445, 41.4722

Achromatopsia

11.6093, 12.2139, 13.3009

Achromatomaly

11.5282, 13.1665, 21.3358

CSS Examples

Text

The CSS property to change the color of the text to XYZ 14.6149, 16.6445, 41.4722 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(27, 120, 172)` looks like.

```
.text, #text, p{  
    color:rgb(27, 120, 172)  
}
```

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(27, 120, 172) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(27, 120, 172) }
```

Border

The CSS property to change the border of an element to XYZ 14.6149, 16.6445, 41.4722 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(27, 120, 172) }
```


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

```
.border{ border-color:rgb(27, 120, 172) }
```

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

Here you see how a box with a 4 pixel `rgb(27, 120, 172)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(27, 120, 172); -webkit-box-  
shadow:4px 4px 4px 4px rgb(27, 120, 172);  
box-shadow:4px 4px 4px 4px rgb(27, 120,  
172) }
```

Background

The CSS property to change the background color of an element to XYZ 14.6149, 16.6445, 41.4722 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(27, 120, 172) }
```

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

```
.background{ background-color: rgb(27, 120,  
172) }
```

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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