

Converting Colors

XYZ(14.6725, 15.7210, 45.3927)

Have a look what the booklet for
XYZ(14.6725, 15.7210, 45.3927)
contains.

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Color

**XYZ(14.6782, 15.7162,
45.4399)**

Conversions

Conversions Part 1

Format	Color
Hex	1573B4
RGB	21, 115, 180
RGB Percent	8%, 45%, 71%
CMY	0.9176, 0.5490, 0.2941
CMYK	0.88, 0.36, 0.00, 0.29
HSL	205°, 79%, 39%
HSV	205°, 88%, 71%
XYZ	14.6782, 15.7162, 45.4399
YIQ	94.3040, -76.8890, 0.2870

Conversions

Conversions Part 2

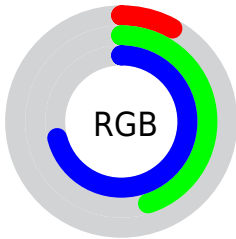
Format	Color
R_{YB}	21, 80, 180
Decimal	1405876
CIE _{Lab}	46.60, -1.57, -41.53
CIE _{LCh}	47, 41.558, 267.832
Yxy	15.7162, 0.1936, 0.2072
Android (android.graphics.Color)	4279595956 (0xFF1573B4)
YUV	94.3040, 42.2481, -64.2876
Hunter-Lab	39.6437, -3.2862, -40.2081

Details

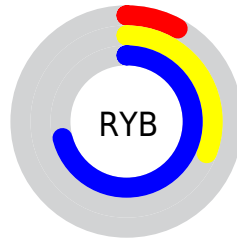
The XYZ color **14.6782, 15.7162, 45.4399** is a dark color, and the websafe version is hex **006699**. A complement of this color would be **22.2874, 16.4162, 2.7044**, and the grayscale version is **10.6289, 11.1824, 12.1777**.

A 20% lighter version of the original color is **33.8888, 36.2349, 84.5648**, and **5.8979, 5.6666, 20.8616** is the 20% darker color. If you saturate the color by 10%, you get **13.6009, 13.9645, 45.1589**, and if you desaturate by 10%, it is **16.0796, 17.7348, 45.7560**.

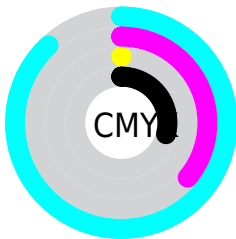
Distribution



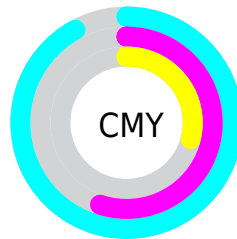
- Red (8%)
- Green (45%)
- Blue (71%)



- Red (8%)
- Yellow (31%)
- Blue (71%)



- Cyan (88%)
- Magenta (36%)
- Yellow (0%)
- Black (29%)



- Cyan (92%)
- Magenta (55%)
- Yellow (29%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 14.6782, 15.7162, 45.4399 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 14.6782, 15.7162, 45.4399 by changing the saturation by 10% instead.

■ 14.6782, 15.7162,
45.4399

■ 14.6782, 15.7162,
45.4399

214.8373,
227.6612, 384.7642

■ 8.6787, 9.3236,
31.4586

■ 33.8640, 36.1048,
84.7056

■ 4.5876, 4.9528,
20.6869

■ 47.7809, 50.8696,
110.8270

■ 2.0397, 2.2196,
12.7063

■ 65.0678, 69.1938,
141.8322

■ 0.6561, 0.7307,
7.0983

■ 86.0898, 91.4619,
178.1398

■ 0.0000, 0.0000,
3.4443

■ 111.2124,
118.0583, 220.1682

■ 0.0000, 0.0000,
1.3257

■ 140.8010,

■ 0.0000, 0.0000,

149.3674, 268.3361

0.0827

175.2208,
185.7736, 323.0619

■ 0.0000, 0.0000,
0.0000

■ 14.6782, 15.7162,
45.4399

■ 14.6782, 15.7162,
45.4399

■ 13.6009, 13.9645,
45.1589

■ 16.0796, 17.7348,
45.7560

■ 13.4344, 13.6876,
45.1142

■ 17.8721, 20.0566,
46.1097

■ 20.0984, 22.7058,
46.5037

■ 22.7943, 25.7031,
46.9401

■ 25.9917, 29.0670,
47.4209

■ 29.7197, 32.8143,
47.9477

■ 34.0047, 36.9608,
48.5222

■ 38.8715, 41.5209,
49.1459

■ 44.3432, 46.5085,
49.8202

Harmonies

Analogous

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



11.5562, 15.7162, 39.8909



14.6782, 15.7162, 45.4399



18.3975, 15.7162, 41.2201

Triad

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



14.6782, 15.7162, 45.4399



21.9104, 15.7162, 9.4431



9.8239, 15.7162, 8.5983

Complementary

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



14.6782, 15.7162, 45.4399



22.2874, 16.4162, 2.7044

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.



11.9415, 15.7162, 4.9085



14.6782, 15.7162, 45.4399



18.9220, 15.7162, 5.2410

Square

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



14.6782, 15.7162, 45.4399



22.9508, 15.7162, 17.8710



15.2004, 15.7162, 3.9850



9.0478, 15.7162, 16.3754

Rectangle

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



14.6782, 15.7162, 45.4399



20.6596, 15.7162, 34.1073



15.2004, 15.7162, 3.9850



10.3839, 15.7162, 6.9771

Sweetspot

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



14.6788, 15.7167, 45.4403



55.2683, 60.8547, 87.1278



18.2554, 33.4521, 14.0085



11.4105, 12.6261, 18.7579



86.6293, 91.1408, 99.2523



17.0014, 17.8868, 19.4787

Same Dimension

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



14.6788, 15.7167, 45.4403



24.1246, 24.3489, 81.7229



9.2070, 4.7730, 43.6164



8.4455, 9.0372, 10.8056



9.4437, 9.6877, 31.5092



0.3528, 0.4161, 1.0100

Inverse Universe

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



22.1856, 11.4782, 17.2662



38.7662, 19.4490, 26.0160



32.2519, 36.3452, 6.0259



8.7001, 8.5867, 9.9189



15.0014, 7.5181, 10.4332



0.5001, 0.2478, 0.4762

Previews

White Background



This preview shows how the XYZ color 14.6782, 15.7162, 45.4399 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 14.6782, 15.7162, 45.4399 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

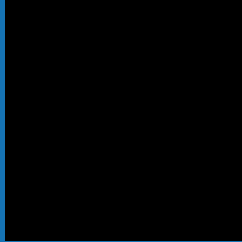
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 14.6782, 15.7162, 45.4399

Background



This preview shows how black text looks on a background with the XYZ color 14.6782, 15.7162, 45.4399.



This preview shows how white text looks on a background with the XYZ color 14.6782, 15.7162,

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

14.6782, 15.7162, 45.4399

Protanopia

16.6517, 15.6735, 41.6828

Deuteranopia

16.1393, 15.7951, 45.9142



Tritanopia

11.0563, 15.5578, 23.8930

Trichromacy



Original Color

14.6782, 15.7162, 45.4399

Protanomaly

15.5075, 15.5276, 43.2541

Deuteranomaly

15.3536, 15.5529, 45.9089

Tritanomaly

12.1218, 15.4152, 30.7703

Monochromacy



Original Color

14.6782, 15.7162, 45.4399

Achromatopsia

10.6392, 11.1932, 12.1894

Achromatomaly

10.7678, 12.1767, 21.1849

CSS Examples

Text

The CSS property to change the color of the text to XYZ 14.6782, 15.7162, 45.4399 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(21, 115, 180)` looks like.

```
.text, #text, p{  
    color:rgb(21, 115, 180)  
}
```

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(21, 115, 180) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(21, 115, 180) }
```

Border

The CSS property to change the border of an element to XYZ 14.6782, 15.7162, 45.4399 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(21, 115, 180) }
```


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

```
.border{ border-color:rgb(21, 115, 180) }
```

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

Here you see how a box with a 4 pixel `rgb(21, 115, 180)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(21, 115, 180); -webkit-box-  
shadow:4px 4px 4px 4px rgb(21, 115, 180);  
box-shadow:4px 4px 4px 4px rgb(21, 115,  
180) }
```

Background

The CSS property to change the background color of an element to XYZ 14.6782, 15.7162, 45.4399 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(21, 115, 180) }
```

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

```
.background{ background-color: rgb(21, 115,  
180) }
```

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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