

Converting Colors

XYZ(4.3327, 9.5379, 48.3774)

Have a look what the booklet for
XYZ(4.3327, 9.5379, 48.3774)
contains.

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Color

**XYZ(14.5456, 14.7397,
49.0921)**

Conversions

Conversions Part 1

Format	Color
Hex	006EBB
RGB	0, 110, 187
RGB Percent	0%, 43%, 73%
CMY	0.9998, 0.5686, 0.2667
CMYK	1.00, 0.41, 0.00, 0.27
HSL	205°, 100%, 37%
HSV	205°, 100%, 73%
XYZ	14.5456, 14.7397, 49.0921
YIQ	85.8880, -90.2770, 0.6270

Conversions

Conversions Part 2

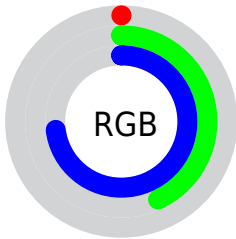
Format	Color
RYB	0, 69, 187
Decimal	28347
CIELab	45.28, 3.33, -47.71
CIELCh	45, 47.829, 273.988
Yxy	14.7397, 0.1856, 0.1881
Android (android.graphics.Color)	4278218427 (0xFF006EBB)
YUV	85.8880, 49.8482, -75.3238
Hunter-Lab	38.3923, 0.4413, -48.9393

Details

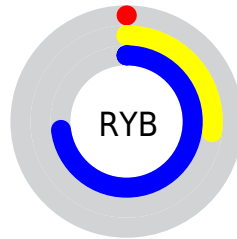
The XYZ color **14.5456, 14.7397, 49.0921** is a dark color, and the websafe version is hex **336699**. A complement of this color would be **23.1507, 15.8786, 1.8459**, and the grayscale version is **8.7359, 9.1909, 10.0089**.

A 20% lighter version of the original color is **33.6901, 34.4011, 90.4524**, and **6.0111, 5.2485, 22.8865** is the 20% darker color. If you saturate the color by 10%, you get **14.5438, 14.7361, 49.0918**, and if you desaturate by 10%, it is **15.6767, 16.6106, 49.3940**.

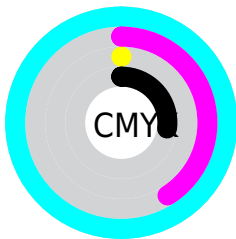
Distribution



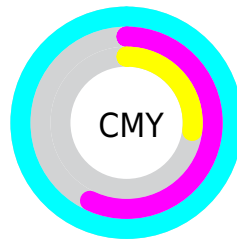
- Red (0%)
- Green (43%)
- Blue (73%)



- Red (0%)
- Yellow (27%)
- Blue (73%)



- Cyan (100%)
- Magenta (41%)
- Yellow (0%)
- Black (27%)



- Cyan (100%)
- Magenta (57%)
- Yellow (27%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 14.5456, 14.7397, 49.0921 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 14.5456, 14.7397, 49.0921 by changing the saturation by 10% instead.

■ 14.5456, 14.7397,
49.0921

■ 14.5456, 14.7397,
49.0921

214.0425,
221.7852, 399.7377

■ 8.5853, 8.6369,
34.3264

■ 33.6323, 34.3959,
90.2106

■ 4.5266, 4.5051,
22.8651

■ 47.4894, 48.7181,
117.4006

■ 2.0042, 1.9599,
14.2896

■ 64.7095, 66.5488,
149.5690

■ 0.6363, 0.5840,
8.1813

■ 85.6580, 88.2726,
187.1345

■ 0.0000, 0.0000,
4.1217

■ 110.7002,
114.2737, 230.5156

■ 0.0000, 0.0000,
1.6924

■ 140.2014,

■ 0.0000, 0.0000,

144.9366, 280.1308

0.3555

174.5271,
180.6456, 336.3986

■ 0.0000, 0.0000,
0.0000

■ 14.5456, 14.7397,
49.0921

■ 14.5456, 14.7397,
49.0921

■ 14.5438, 14.7361,
49.0918

■ 15.6767, 16.6106,
49.3940

■ 17.1335, 18.7592,
49.7319

■ 19.0106, 21.2368,
50.1112

■ 21.3556, 24.0704,
50.5345

■ 24.2090, 27.2834,
51.0043

■ 27.6066, 30.8964,
51.5226

■ 31.5808, 34.9283,
52.0914

■ 36.1610, 39.3966,
52.7124

■ 41.3748, 44.3175,
53.3875

Harmonies

Analogous

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



10.9298, 14.7397, 44.6890



14.5456, 14.7397, 49.0921



18.7095, 14.7397, 41.7556

Triad

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



14.5456, 14.7397, 49.0921



21.3153, 14.7397, 6.6877



8.2225, 14.7397, 8.2619

Complementary

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



14.5456, 14.7397, 49.0921



23.1507, 15.8786, 1.8459

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.



10.1712, 14.7397, 3.9111



14.5456, 14.7397, 49.0921



17.6197, 14.7397, 3.3491

Square

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



14.5456, 14.7397, 49.0921



23.0563, 14.7397, 14.5805



13.4870, 14.7397, 2.6466



7.7061, 14.7397, 17.6130

Rectangle

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



14.5456, 14.7397, 49.0921



21.1119, 14.7397, 32.5789



13.4870, 14.7397, 2.6466



8.7110, 14.7397, 6.3418

Sweetspot

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



14.5462, 14.7401, 49.0925



56.1736, 62.1709, 93.2409



19.0350, 36.0468, 12.5798



11.6829, 13.0004, 20.4361



90.7827, 95.5105, 104.0109



18.6292, 19.5994, 21.3438

Same Dimension

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



14.5462, 14.7401, 49.0925



25.8088, 25.9143, 87.8431



9.1987, 4.0451, 47.3100



9.4702, 10.1326, 12.1289



10.0932, 10.2982, 33.8487



0.4583, 0.5294, 1.3469

Inverse Universe

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



23.3086, 11.6916, 15.7802



41.6223, 20.8889, 27.6179



34.5529, 38.6829, 5.6466



9.7592, 9.6280, 11.1208



16.0954, 8.0693, 11.0618



0.6623, 0.3288, 0.6007

Previews

White Background



This preview shows how the XYZ color 14.5456, 14.7397, 49.0921 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 14.5456, 14.7397, 49.0921 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

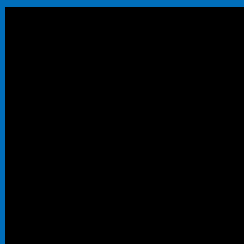
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 14.5456, 14.7397, 49.0921

Background



This preview shows how black text looks on a background with the XYZ color 14.5456, 14.7397, 49.0921.



This preview shows how white text looks on a background with the XYZ color 14.5456, 14.7397,

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

14.5456, 14.7397, 49.0921

Protanopia

16.2179, 14.7339, 46.2451

Deuteranopia

15.1689, 14.7443, 49.0602



Tritanopia

10.4276, 14.7260, 22.3715

Trichromacy



Original Color

14.5456, 14.7397, 49.0921

Protanomaly

14.9781, 14.3731, 47.3323

Deuteranomaly

14.8392, 14.7318, 49.0751

Tritanomaly

11.6702, 14.6607, 30.6485

Monochromacy



Original Color

14.5456, 14.7397, 49.0921

Achromatopsia

8.8453, 9.3059, 10.1341

Achromatomaly

9.2429, 10.4267, 20.2643

CSS Examples

Text

The CSS property to change the color of the text to XYZ 14.5456, 14.7397, 49.0921 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(0, 110, 187)` looks like.

```
.text, #text, p{  
    color:rgb(0, 110, 187)  
}
```

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(0, 110, 187) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 110, 187) }
```

Border

The CSS property to change the border of an element to XYZ 14.5456, 14.7397, 49.0921 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(0, 110, 187) }
```


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

```
.border{ border-color:rgb(0, 110, 187) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 110, 187)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 110, 187); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 110, 187);  
box-shadow:4px 4px 4px 4px rgb(0, 110,  
187) }
```

Background

The CSS property to change the background color of an element to XYZ 14.5456, 14.7397, 49.0921 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 110, 187) }
```

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

```
.background{ background-color: rgb(0, 110,  
187) }
```

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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