

Converting Colors

XYZ(14.5829, 14.7271, 49.3739)

Have a look what the booklet for
XYZ(14.5829, 14.7271, 49.3739)
contains.

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Color

**XYZ(14.6530, 14.7827,
49.6580)**

Conversions

Conversions Part 1

Format	Color
Hex	006EBC
RGB	0, 110, 188
RGB Percent	0%, 43%, 74%
CMY	0.9999, 0.5686, 0.2627
CMYK	1.00, 0.41, 0.00, 0.26
HSL	205°, 100%, 37%
HSV	205°, 100%, 74%
XYZ	14.6530, 14.7827, 49.6580
YIQ	86.0020, -90.5980, 0.9380

Conversions

Conversions Part 2

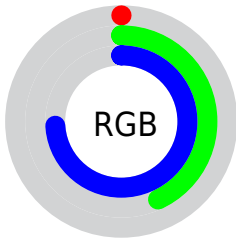
Format	Color
RYB	0, 69, 188
Decimal	28348
CIELab	45.34, 3.73, -48.20
CIElCh	45, 48.341, 274.421
Yxy	14.7827, 0.1853, 0.1869
Android (android.graphics.Color)	4278218428 (0xFF006EBC)
YUV	86.0020, 50.2850, -75.4238
Hunter-Lab	38.4483, 0.7435, -49.6624

Details

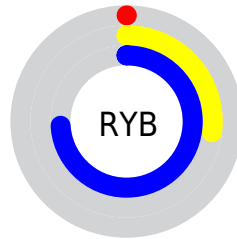
The XYZ color **14.6530, 14.7827, 49.6580** is a dark color, and the websafe version is hex **336699**. A complement of this color would be **23.4662, 16.1453, 1.8805**, and the grayscale version is **8.7587, 9.2149, 10.0350**.

A 20% lighter version of the original color is **33.8424, 34.4620, 91.2543**, and **6.0806, 5.2762, 23.2522** is the 20% darker color. If you saturate the color by 10%, you get **14.6516, 14.7798, 49.6579**, and if you desaturate by 10%, it is **15.7977, 16.6780, 49.9638**.

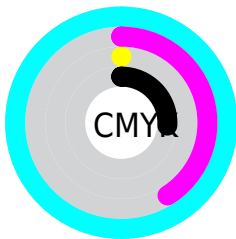
Distribution



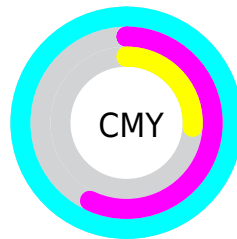
- Red (0%)
- Green (43%)
- Blue (74%)



- Red (0%)
- Yellow (27%)
- Blue (74%)



- Cyan (100%)
- Magenta (41%)
- Yellow (0%)
- Black (26%)



- Cyan (100%)
- Magenta (57%)
- Yellow (26%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 14.6530, 14.7827, 49.6580 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 14.6530, 14.7827, 49.6580 by changing the saturation by 10% instead.

■ 14.6530, 14.7827,
49.6580

■ 14.6530, 14.7827,
49.6580

214.6865,
222.0472, 402.0237

■ 8.6609, 8.6670,
34.7725

■ 33.8200, 34.4715,
91.0590

■ 4.5760, 4.5246,
23.2055

■ 47.7256, 48.8134,
118.4116

■ 2.0329, 1.9712,
14.5386

■ 64.9997, 66.6663,
150.7569

■ 0.6523, 0.5906,
8.3532

■ 86.0078, 88.4143,
188.5135

■ 0.0000, 0.0000,
4.2308

■ 111.1152,
114.4421, 232.1000

■ 0.0000, 0.0000,
1.7528

■ 140.6872,

■ 0.0000, 0.0000,

145.1338, 281.9348

0.3965

175.0892,
180.8741, 338.4365

■ 0.0000, 0.0000,
0.0000

■ 14.6530, 14.7827,
49.6580

■ 14.6530, 14.7827,
49.6580

■ 14.6516, 14.7798,
49.6579

■ 15.7977, 16.6780,
49.9638

■ 17.2734, 18.8566,
50.3066

■ 19.1756, 21.3704,
50.6915

■ 21.5526, 24.2470,
51.1215

■ 24.4456, 27.5099,
51.5988

■ 27.8908, 31.1802,
52.1257

■ 31.9210, 35.2772,
52.7041

■ 36.5663, 39.8185,
53.3358

■ 41.8544, 44.8209,
54.0226

Harmonies

Analogous

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



10.9785, 14.7827, 45.3436



14.6530, 14.7827, 49.6580



18.8731, 14.7827, 42.0339

Triad

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



14.6530, 14.7827, 49.6580



21.4157, 14.7827, 6.5649



8.1821, 14.7827, 8.3226

Complementary

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



14.6530, 14.7827, 49.6580



23.4662, 16.1453, 1.8805

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.



10.1286, 14.7827, 3.8904



14.6530, 14.7827, 49.6580



17.6479, 14.7827, 3.2669

Square

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



14.6530, 14.7827, 49.6580



23.2211, 14.7827, 14.4537



13.4648, 14.7827, 2.5946



7.6818, 14.7827, 17.8579

Rectangle

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



14.6530, 14.7827, 49.6580



21.2975, 14.7827, 32.6576



13.4648, 14.7827, 2.5946



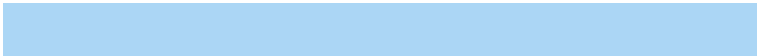
8.6680, 14.7827, 6.3658

Sweetspot

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



14.6536, 14.7831, 49.6584



57.4529, 63.5364, 95.4619



19.2614, 36.4780, 12.7222



11.6691, 12.9728, 20.4315



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.



14.6536, 14.7831, 49.6584



26.3058, 26.2901, 89.9142



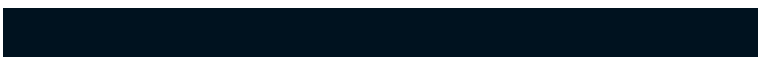
9.3076, 4.0912, 47.8764



9.4677, 10.1277, 12.1280



10.0502, 10.2121, 33.8343



0.4568, 0.5263, 1.3464

Inverse Universe

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



23.5541, 11.8180, 15.7918



42.5607, 21.3662, 27.9533



34.9653, 39.1434, 5.7136



9.7579, 9.6275, 11.1142



16.0736, 8.0606, 10.9474



0.6615, 0.3285, 0.5966

Previews

White Background



This preview shows how the XYZ color 14.6530, 14.7827, 49.6580 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 14.6530, 14.7827, 49.6580 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

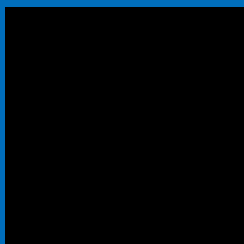
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 14.6530, 14.7827, 49.6580

Background



This preview shows how black text looks on a background with the XYZ color 14.6530, 14.7827, 49.6580.



This preview shows how white text looks on a background with the XYZ color 14.6530, 14.7827,

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

14.6530, 14.7827, 49.6580

Protanopia

16.2452, 14.7360, 46.7879

Deuteranopia

15.2733, 14.9432, 49.6563



Tritanopia

10.4276, 14.7260, 22.3715

Trichromacy



Original Color

14.6530, 14.7827, 49.6580

Protanomaly

15.0377, 14.3917, 47.8842

Deuteranomaly

14.8991, 14.7503, 49.6388

Tritanomaly

11.6702, 14.6607, 30.6485

Monochromacy



Original Color

14.6530, 14.7827, 49.6580

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 14.6530, 14.7827, 49.6580 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, 188)` looks like.

```
.text, #text, p{  
    color:rgb(0, 110, 188)  
}
```

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, 188) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 110, 188) }
```

Border

The CSS property to change the border of an element to XYZ 14.6530, 14.7827, 49.6580 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, 188) }
```


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

```
.border{ border-color:rgb(0, 110, 188) }
```

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, 188)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 110, 188); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 110, 188);  
box-shadow:4px 4px 4px 4px rgb(0, 110,  
188) }
```

Background

The CSS property to change the background color of an element to XYZ 14.6530, 14.7827, 49.6580 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, 188) }
```

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

```
.background{ background-color: rgb(0, 110,  
188) }
```

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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