

Converting Colors

XYZ(8.5674, 12.3751, 44.2155)

Have a look what the booklet for
XYZ(8.5674, 12.3751, 44.2155)
contains.

XYZ(14.0532, 15.2490, 44.3221)	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(14.0532, 15.2490,
44.3221)**

Conversions

Conversions Part 1

Format	Color
Hex	0072B2
RGB	0, 114, 178
RGB Percent	0%, 45%, 70%
CMY	0.9999, 0.5529, 0.3020
CMYK	1.00, 0.36, 0.00, 0.30
HSL	202°, 100%, 35%
HSV	202°, 100%, 70%
XYZ	14.0532, 15.2490, 44.3221
YIQ	87.2100, -88.4880, -4.2640

Conversions

Conversions Part 2

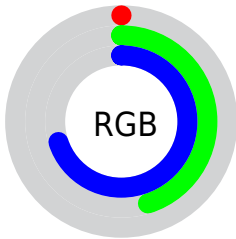
Format	Color
RYB	0, 69, 178
Decimal	29362
CIELab	45.97, -2.73, -41.37
CIElCh	46, 41.463, 266.219
Yxy	15.2490, 0.1909, 0.2071
Android (android.graphics.Color)	4278219442 (0xFF0072B2)
YUV	87.2100, 44.7595, -76.4832
Hunter-Lab	39.0500, -4.0993, -39.9598

Details

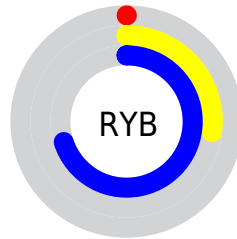
The XYZ color **14.0532, 15.2490, 44.3221** is a dark color, and the websafe version is hex **006699**. A complement of this color would be **20.1957, 13.1357, 1.4720**, and the grayscale version is **9.0269, 9.4970, 10.3423**.

A 20% lighter version of the original color is **32.8019, 35.4371, 82.9531**, and **5.7088, 5.4950, 20.1618** is the 20% darker color. If you saturate the color by 10%, you get **14.0520, 15.2465, 44.3220**, and if you desaturate by 10%, it is **15.0473, 16.8713, 44.5832**.

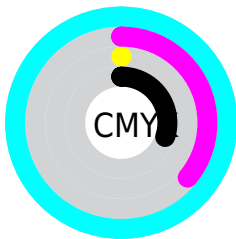
Distribution



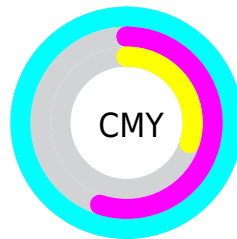
- Red (0%)
- Green (45%)
- Blue (70%)



- Red (0%)
- Yellow (27%)
- Blue (70%)



- Cyan (100%)
- Magenta (36%)
- Yellow (0%)
- Black (30%)



- Cyan (100%)
- Magenta (55%)
- Yellow (30%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 14.0532, 15.2490, 44.3221 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 14.0532, 15.2490, 44.3221 by changing the saturation by 10% instead.

■ 14.0532, 15.2490,
44.3221

■ 14.0532, 15.2490,
44.3221

211.0655,
224.8684, 380.1008

■ 8.2396, 8.9943,
30.5848

■ 32.7689, 35.2894,
83.0098

■ 4.3018, 4.7375,
20.0271

■ 46.4017, 49.8439,
108.7973

■ 1.8742, 2.0941,
12.2304

■ 63.3716, 67.9339,
139.4386

■ 0.5618, 0.6613,
6.7764

■ 84.0440, 89.9436,
175.3522

■ 0.0000, 0.0000,
3.2463

■ 108.7843,
116.2575, 216.9567

■ 0.0000, 0.0000,
1.2217

■ 137.9577,

■ 0.0000, 0.0000,

147.2601, 264.6706

0.0000

171.9297,
183.3356, 318.9125

■ 14.0532, 15.2490,
44.3221

■ 14.0532, 15.2490,
44.3221

■ 14.0520, 15.2465,
44.3220

■ 15.0473, 16.8713,
44.5832

■ 16.3148, 18.7109,
44.8715

■ 17.9426, 20.8142,
45.1916

■ 19.9723, 23.2040,
45.5459

■ 22.4390, 25.8999,
45.9363

■ 25.3741, 28.9191,
46.3644

■ 28.8055, 32.2776,
46.8318

■ 32.7591, 35.9900,
47.3399

■ 37.2588, 40.0696,
47.8902

Harmonies

Analogous

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



11.0556, 15.2490, 38.4079



14.0532, 15.2490, 44.3221



17.6846, 15.2490, 40.6807

Triad

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



14.0532, 15.2490, 44.3221



21.4306, 15.2490, 9.4444



9.5767, 15.2490, 8.0084

Complementary

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



14.0532, 15.2490, 44.3221



20.1957, 13.1357, 1.4720

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.



11.7118, 15.2490, 4.5994



14.0532, 15.2490, 44.3221



18.5795, 15.2490, 5.1626

Square

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



14.0532, 15.2490, 44.3221



22.3250, 15.2490, 17.9111



14.9433, 15.2490, 3.8208



8.7485, 15.2490, 15.3613

Rectangle

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



14.0532, 15.2490, 44.3221



19.9330, 15.2490, 33.8894



14.9433, 15.2490, 3.8208



10.1466, 15.2490, 6.4992

Sweetspot

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



14.0538, 15.2495, 44.3225



51.8780, 58.1892, 84.8785



16.7993, 32.1926, 9.9323



10.8984, 12.3154, 18.7249



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.



14.0538, 15.2495, 44.3225



25.2571, 27.1980, 80.2997



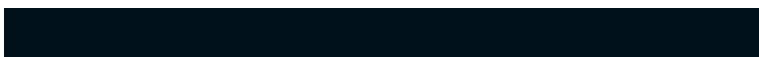
8.4221, 3.9861, 42.4453



8.4805, 9.1072, 10.8172



10.1155, 11.0313, 31.7331



0.3711, 0.4528, 1.0161

Inverse Universe

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



21.3979, 10.6807, 16.8537



38.6880, 19.3214, 29.9575



29.4763, 31.6968, 4.5655



8.7177, 8.5938, 10.0119



15.3405, 7.6537, 12.2188



0.5094, 0.2515, 0.5249

Previews

White Background



This preview shows how the XYZ color 14.0532, 15.2490, 44.3221 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 14.0532, 15.2490, 44.3221 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 14.0532, 15.2490, 44.3221

Background



This preview shows how black text looks on a background with the XYZ color 14.0532, 15.2490, 44.3221.



This preview shows how white text looks on a background with the XYZ color 14.0532, 15.2490,

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

14.0532, 15.2490, 44.3221

Protanopia

16.1609, 15.1332, 40.5973

Deuteranopia

15.6552, 15.2487, 44.7660



Tritanopia

10.7998, 15.2597, 23.1451

Trichromacy



Original Color

14.0532, 15.2490, 44.3221

Protanomaly

14.5768, 14.7502, 42.1232

Deuteranomaly

14.6962, 15.0747, 44.7830

Tritanomaly

11.7449, 15.0635, 29.8923

Monochromacy



Original Color

14.0532, 15.2490, 44.3221

Achromatopsia

9.0590, 9.5307, 10.3790

Achromatomaly

9.2404, 10.7177, 19.3510

CSS Examples

Text

The CSS property to change the color of the text to XYZ 14.0532, 15.2490, 44.3221 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, 114, 178)` looks like.

```
.text, #text, p{  
    color:rgb(0, 114, 178)  
}
```

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, 114, 178) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 114, 178) }
```

Border

The CSS property to change the border of an element to XYZ 14.0532, 15.2490, 44.3221 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, 114, 178) }
```


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

```
.border{ border-color:rgb(0, 114, 178) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 114, 178)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 114, 178); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 114, 178);  
box-shadow:4px 4px 4px 4px rgb(0, 114,  
178) }
```

Background

The CSS property to change the background color of an element to XYZ 14.0532, 15.2490, 44.3221 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 114, 178) }
```

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

```
.background{ background-color: rgb(0, 114,  
178) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor