

Converting Colors

XYZ(14.6560, 15.5363, 47.3542)

Have a look what the booklet for
XYZ(14.6560, 15.5363, 47.3542)
contains.

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Color

**XYZ(14.6690, 15.4953,
47.5652)**

Conversions

Conversions Part 1

Format	Color
Hex	0072B8
RGB	0, 114, 184
RGB Percent	0%, 45%, 72%
CMY	0.9999, 0.5529, 0.2784
CMYK	1.00, 0.38, 0.00, 0.28
HSL	203°, 100%, 36%
HSV	203°, 100%, 72%
XYZ	14.6690, 15.4953, 47.5652
YIQ	87.8940, -90.4140, -2.3980

Conversions

Conversions Part 2

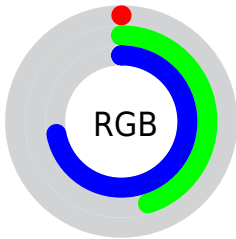
Format	Color
RYB	0, 70, 184
Decimal	29368
CIELab	46.31, -0.36, -44.33
CIELCh	46, 44.332, 269.537
Yxy	15.4953, 0.1887, 0.1993
Android (android.graphics.Color)	4278219448 (0xFF0072B8)
YUV	87.8940, 47.3803, -77.0830
Hunter-Lab	39.3641, -2.3692, -44.0877

Details

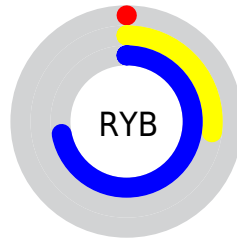
The XYZ color **14.6690, 15.4953, 47.5652** is a dark color, and the websafe version is hex **006699**. A complement of this color would be **21.9597, 14.5748, 1.6567**, and the grayscale version is **9.1692, 9.6467, 10.5053**.

A 20% lighter version of the original color is **33.6975, 35.5287, 87.5198**, and **6.0364, 5.6260, 21.8869** is the 20% darker color. If you saturate the color by 10%, you get **14.6678, 15.4928, 47.5651**, and if you desaturate by 10%, it is **15.7471, 17.2688, 47.8511**.

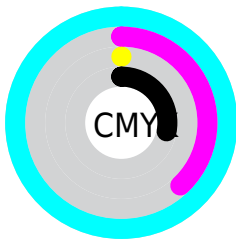
Distribution



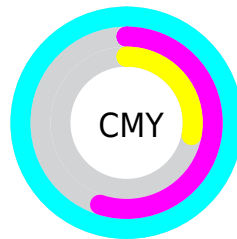
- Red (0%)
- Green (45%)
- Blue (72%)



- Red (0%)
- Yellow (27%)
- Blue (72%)



- Cyan (100%)
- Magenta (38%)
- Yellow (0%)
- Black (28%)



- Cyan (100%)
- Magenta (55%)
- Yellow (28%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 14.6690, 15.4953, 47.5652 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 14.6690, 15.4953, 47.5652 by changing the saturation by 10% instead.

■ 14.6690, 15.4953,
47.5652

■ 14.6690, 15.4953,
47.5652

214.7823,
226.3449, 393.5250

■ 8.6722, 9.1677,
33.1251

■ 33.8479, 35.7198,
87.9155

■ 4.5834, 4.8507,
21.9504

■ 47.7607, 50.3855,
114.6628

■ 2.0372, 2.1600,
13.6225

■ 65.0429, 68.5993,
146.3496

■ 0.6547, 0.6980,
7.7229

■ 86.0599, 90.7457,
183.3944

■ 0.0000, 0.0000,
3.8329

■ 111.1769,
117.2091, 226.2158

■ 0.0000, 0.0000,
1.5341

■ 140.7595,

■ 0.0000, 0.0000,

148.3738, 275.2324

0.2432

175.1728,
184.6243, 330.8626

■ 0.0000, 0.0000,
0.0000

■ 14.6690, 15.4953,
47.5652

■ 14.6690, 15.4953,
47.5652

■ 14.6678, 15.4928,
47.5651

■ 15.7471, 17.2688,
47.8511

■ 17.1284, 19.2902,
48.1684

■ 18.9047, 21.6087,
48.5223

■ 21.1215, 24.2497,
48.9152

■ 23.8172, 27.2348,
49.3493

■ 27.0260, 30.5832,
49.8265

■ 30.7785, 34.3125,
50.3486

■ 35.1029, 38.4387,
50.9171

■ 40.0253, 42.9770,
51.5336

Harmonies

Analogous

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



11.3309, 15.4953, 42.0410



14.6690, 15.4953, 47.5652



18.6241, 15.4953, 42.3518

Triad

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



14.6690, 15.4953, 47.5652



22.0286, 15.4953, 8.5270



9.2931, 15.4953, 8.3429

Complementary

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



14.6690, 15.4953, 47.5652



21.9597, 14.5748, 1.6567

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.



11.4168, 15.4953, 4.4424



14.6690, 15.4953, 47.5652



18.7436, 15.4953, 4.5121

Square

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



14.6690, 15.4953, 47.5652



23.2914, 15.4953, 17.0410



14.7868, 15.4953, 3.4181



8.5721, 15.4953, 16.7036

Rectangle

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



14.6690, 15.4953, 47.5652



21.0032, 15.4953, 34.3819



14.7868, 15.4953, 3.4181



9.8464, 15.4953, 6.6225

Sweetspot

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



14.6696, 15.4958, 47.5656



55.4156, 61.8316, 91.2186



18.1688, 34.6926, 11.1259



11.3112, 12.7048, 19.5777



88.6918, 93.3107, 101.6153



17.8044, 18.7317, 20.3988

Same Dimension

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



14.6696, 15.4958, 47.5656



26.3513, 27.6087, 86.1448



8.9905, 4.1376, 45.6726



8.9719, 9.6209, 11.4636



10.1788, 10.8173, 32.8045



0.4165, 0.4968, 1.1757

Inverse Universe

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



22.8050, 11.4061, 16.9195



41.2179, 20.6266, 30.0315



32.2469, 35.1493, 5.0858



9.2321, 9.1032, 10.5699



15.7515, 7.8743, 11.8440



0.5844, 0.2892, 0.5709

Previews

White Background



This preview shows how the XYZ color 14.6690, 15.4953, 47.5652 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 14.6690, 15.4953, 47.5652 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

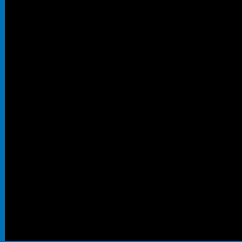
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 14.6690, 15.4953, 47.5652

Background



This preview shows how black text looks on a background with the XYZ color 14.6690, 15.4953, 47.5652.



This preview shows how white text looks on a background with the XYZ color 14.6690, 15.4953,

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

14.6690, 15.4953, 47.5652

Protanopia

16.7733, 15.5236, 44.2318

Deuteranopia

15.9638, 15.4954, 48.0485



Tritanopia

10.9888, 15.5308, 23.5377

Trichromacy



Original Color

14.6690, 15.4953, 47.5652

Protanomaly

15.2303, 15.1772, 45.3068

Deuteranomaly

15.1690, 15.2467, 48.0424

Tritanomaly

12.1018, 15.3957, 31.1880

Monochromacy



Original Color

14.6690, 15.4953, 47.5652

Achromatopsia

9.2757, 9.7587, 10.6273

Achromatomaly

9.4807, 10.8202, 20.3277

CSS Examples

Text

The CSS property to change the color of the text to XYZ 14.6690, 15.4953, 47.5652 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, 184)` looks like.

```
.text, #text, p{  
    color:rgb(0, 114, 184)  
}
```

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, 184) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 114, 184) }
```

Border

The CSS property to change the border of an element to XYZ 14.6690, 15.4953, 47.5652 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, 184) }
```


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

```
.border{ border-color:rgb(0, 114, 184) }
```

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, 184)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 114, 184); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 114, 184);  
box-shadow:4px 4px 4px 4px rgb(0, 114,  
184) }
```

Background

The CSS property to change the background color of an element to XYZ 14.6690, 15.4953, 47.5652 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, 184) }
```

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

```
.background{ background-color: rgb(0, 114,  
184) }
```

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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