

Converting Colors

XYZ(14.8483, 17.1421, 44.5869)

Have a look what the booklet for
XYZ(14.8483, 17.1421, 44.5869)
contains.

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Color

**XYZ(14.9954, 17.1334,
44.6362)**

Conversions

Conversions Part 1

Format	Color
Hex	007AB2
RGB	0, 122, 178
RGB Percent	0%, 48%, 70%
CMY	0.9999, 0.5216, 0.3020
CMYK	1.00, 0.31, 0.00, 0.30
HSL	199°, 100%, 35%
HSV	199°, 100%, 70%
XYZ	14.9954, 17.1334, 44.6362
YIQ	91.9060, -90.6880, -8.4480

Conversions

Conversions Part 2

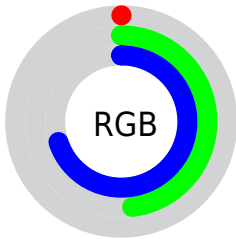
Format	Color
RYB	0, 72, 178
Decimal	31410
CIELab	48.43, -7.53, -37.49
CIELCh	48, 38.240, 258.641
Yxy	17.1334, 0.1953, 0.2232
Android (android.graphics.Color)	4278221490 (0xFF007AB2)
YUV	91.9060, 42.4443, -80.6016
Hunter-Lab	41.3925, -7.7711, -34.9615

Details

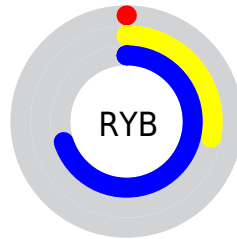
The XYZ color **14.9954, 17.1334, 44.6362** is a dark color, and the websafe version is hex **006699**. A complement of this color would be **19.7762, 12.2967, 1.3321**, and the grayscale version is **10.0740, 10.5986, 11.5419**.

A 20% lighter version of the original color is **34.4010, 38.4879, 83.4577**, and **6.1505, 6.3782, 20.3090** is the 20% darker color. If you saturate the color by 10%, you get **14.9943, 17.1311, 44.6362**, and if you desaturate by 10%, it is **15.9497, 18.6761, 44.8841**.

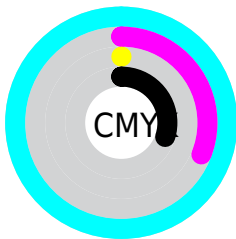
Distribution



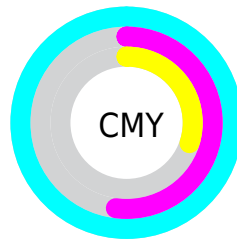
- Red (0%)
- Green (48%)
- Blue (70%)



- Red (0%)
- Yellow (28%)
- Blue (70%)



- Cyan (100%)
- Magenta (31%)
- Yellow (0%)
- Black (30%)



- Cyan (100%)
- Magenta (52%)
- Yellow (30%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 14.9954, 17.1334, 44.6362 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 14.9954, 17.1334, 44.6362 by changing the saturation by 10% instead.

■ 14.9954, 17.1334,
44.6362

■ 14.9954, 17.1334,
44.6362

216.7273,
235.9400, 381.4152

■ 8.9025, 10.3296,
30.8301

■ 34.4168, 38.5550,
83.4869

■ 4.7342, 5.6181,
20.2121

■ 48.4760, 53.9416,
109.3685

■ 2.1253, 2.6143,
12.3637

■ 65.9213, 72.9580,
140.1125

■ 0.7029, 0.9338,
6.8664

■ 87.1182, 95.9885,
176.1372

■ 0.0000, 0.0000,
3.3015

■ 112.4318,
123.4176, 217.8614

■ 0.0000, 0.0000,
1.2506

■ 142.2276,

■ 0.0000, 0.0000,

155.6296, 265.7034

0.0208

176.8710,
193.0089, 320.0818

■ 0.0000, 0.0000,
0.0000

■ 14.9954, 17.1334,
44.6362

■ 14.9954, 17.1334,
44.6362

■ 14.9943, 17.1311,
44.6362

■ 15.9497, 18.6761,
44.8841

■ 17.1662, 20.4136,
45.1553

■ 18.7314, 22.3917,
45.4546

■ 20.6864, 24.6323,
45.7841

■ 23.0664, 27.1546,
46.1455

■ 25.9021, 29.9752,
46.5404

■ 29.2214, 33.1094,
46.9705

■ 33.0497, 36.5712,
47.4369

■ 37.4108, 40.3736,
47.9410

Harmonies

Analogous

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



12.2318, 17.1334, 37.1743



14.9954, 17.1334, 44.6362



18.5310, 17.1334, 43.5129

Triad

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



14.9954, 17.1334, 44.6362



23.5269, 17.1334, 13.1500



11.7394, 17.1334, 8.6010

Complementary

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



14.9954, 17.1334, 44.6362



19.7762, 12.2967, 1.3321

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.



14.2278, 17.1334, 5.7072



14.9954, 17.1334, 44.6362



21.1467, 17.1334, 7.6092

Square

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



14.9954, 17.1334, 44.6362



23.8106, 17.1334, 22.7131



17.6460, 17.1334, 5.4245



10.5397, 17.1334, 15.1122

Rectangle

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



14.9954, 17.1334, 44.6362



20.8570, 17.1334, 38.1125



17.6460, 17.1334, 5.4245



12.4350, 17.1334, 7.2906

Sweetspot

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



14.9960, 17.1340, 44.6366



52.6438, 59.7208, 85.1338



16.5733, 32.1022, 8.7423



11.0874, 12.6933, 18.7879



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.



14.9960, 17.1340, 44.6366



26.9763, 30.6365, 80.8728



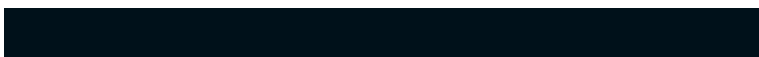
8.6560, 4.4539, 42.5233



8.5126, 9.1715, 10.8279



10.7868, 12.3739, 31.9569



0.3888, 0.4882, 1.0220

Inverse Universe

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



21.8735, 10.8710, 19.3582



39.5558, 19.6685, 34.5273



28.0941, 28.9326, 4.1048



8.7339, 8.6003, 10.0974



15.6793, 7.7893, 14.0031



0.5183, 0.2551, 0.5720

Previews

White Background



This preview shows how the XYZ color 14.9954, 17.1334, 44.6362 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 14.9954, 17.1334, 44.6362 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 14.9954, 17.1334, 44.6362

Background



This preview shows how black text looks on a background with the XYZ color 14.9954, 17.1334, 44.6362.

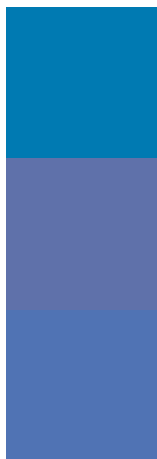


This preview shows how white text looks on a background with the XYZ color 14.9954, 17.1334,

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

14.9954, 17.1334, 44.6362

Protanopia

17.8801, 17.1454, 40.3972

Deuteranopia

17.6772, 17.2622, 45.5803



Tritanopia

12.1047, 16.9849, 26.3073

Trichromacy



Original Color

14.9954, 17.1334, 44.6362

Protanomaly

15.6517, 16.4686, 41.8890

Deuteranomaly

15.9804, 16.9153, 45.0706

Tritanomaly

13.0011, 16.9342, 32.2892

Monochromacy



Original Color

14.9954, 17.1334, 44.6362

Achromatopsia

10.1725, 10.7023, 11.6548

Achromatomaly

10.2290, 12.0604, 20.5276

CSS Examples

Text

The CSS property to change the color of the text to XYZ 14.9954, 17.1334, 44.6362 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, 122, 178)` looks like.

```
.text, #text, p{  
    color:rgb(0, 122, 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, 122, 178) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 122, 178) }
```

Border

The CSS property to change the border of an element to XYZ 14.9954, 17.1334, 44.6362 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, 122, 178) }
```


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

```
.border{ border-color:rgb(0, 122, 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, 122, 178) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 122, 178); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 122, 178);  
box-shadow:4px 4px 4px 4px rgb(0, 122,  
178) }
```

Background

The CSS property to change the background color of an element to XYZ 14.9954, 17.1334, 44.6362 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 122, 178) }
```

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

```
.background{ background-color: rgb(0, 122,  
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](#).

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