

Converting Colors

XYZ(4.5275, 12.2054, 41.2051)

Have a look what the booklet for
XYZ(4.5275, 12.2054, 41.2051)
contains.

| | |
|--|----|
| XYZ(14.6540, 17.3939, 41.6147) | 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(14.6540, 17.3939,
41.6147)**

Conversions

Conversions Part 1

| Format | Color |
|-------------|-----------------------------|
| Hex | 007CAC |
| RGB | 0, 124, 172 |
| RGB Percent | 0%, 49%, 67% |
| CMY | 0.9999, 0.5137, 0.3255 |
| CMYK | 1.00, 0.28, 0.00, 0.33 |
| HSL | 197°, 100%, 34% |
| HSV | 197°, 100%, 67% |
| XYZ | 14.6540, 17.3939, 41.6147 |
| YIQ | 92.3960, -89.3120, -11.3600 |

Conversions

Conversions Part 2

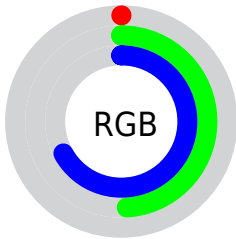
| Format | Color |
|-------------------------------------|--------------------------------|
| R_{YB} | 0, 72, 172 |
| Decimal | 31916 |
| CIE _{Lab} | 48.75, -11.00, -33.50 |
| CIE _{LCh} | 49, 35.259, 251.824 |
| Yxy | 17.3939, 0.1989, 0.2361 |
| Android (android.graphics.Color) | 4278221996 (0xFF007CAC) |
| YUV | 92.3960, 39.2448, -81.0313 |
| Hunter-Lab | 41.7060, -10.2670, -29.9660 |

Details

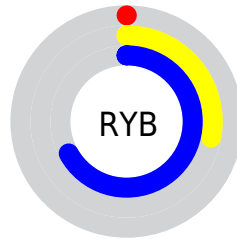
The XYZ color **14.6540, 17.3939, 41.6147** is a dark color, and the websafe version is hex **006699**. A complement of this color would be **18.0715, 10.8867, 1.1496**, and the grayscale version is **10.1930, 10.7238, 11.6782**.

A 20% lighter version of the original color is **33.7454, 38.8258, 79.1143**, and **5.8459, 6.3641, 18.3730** is the 20% darker color. If you saturate the color by 10%, you get **14.6534, 17.3926, 41.6148**, and if you desaturate by 10%, it is **15.5059, 18.7483, 41.8316**.

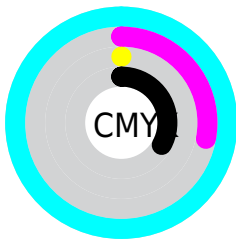
Distribution



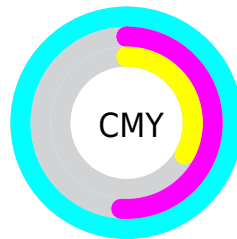
- Red (0%)
- Green (49%)
- Blue (67%)



- Red (0%)
- Yellow (28%)
- Blue (67%)



- Cyan (100%)
- Magenta (28%)
- Yellow (0%)
- Black (33%)



- Cyan (100%)
- Magenta (51%)
- Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 14.6540, 17.3939, 41.6147 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 14.6540, 17.3939, 41.6147 by changing the saturation by 10% instead.

■ 14.6540, 17.3939,
41.6147

■ 14.6540, 17.3939,
41.6147

214.6925,
237.4322, 368.6357

■ 8.6616, 10.5157,
28.4764

■ 33.8217, 39.0018,
78.8799

■ 4.5765, 5.7422,
18.4429

■ 47.7278, 54.5003,
103.8440

■ 2.0332, 2.6890,
11.0957

■ 65.0024, 73.6411,
133.5870

■ 0.6525, 0.9716,
6.0163

■ 86.0111, 96.8084,
168.5275

■ 0.0000, 0.0000,
2.7860

■ 111.1191,
124.3869, 209.0841

■ 0.0000, 0.0000,
0.9864

■ 140.6917,

■ 0.0000, 0.0000,

156.7607, 255.6753

0.0000

175.0944,
194.3143, 308.7196

■ 14.6540, 17.3939,
41.6147

■ 14.6540, 17.3939,
41.6147

■ 14.6534, 17.3926,
41.6148

■ 15.5059, 18.7483,
41.8316

■ 16.5906, 20.2666,
42.0675

■ 17.9899, 21.9917,
42.3267

■ 19.7415, 23.9437,
42.6112

■ 21.8772, 26.1395,
42.9224

■ 24.4253, 28.5943,
43.2620

■ 27.4111, 31.3216,
43.6310

■ 30.8579, 34.3341,
44.0308

■ 34.7873, 37.6433,
44.4624

Harmonies

Analogous

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



12.2892, 17.3939, 33.6018



14.6540, 17.3939, 41.6147



17.8498, 17.3939, 42.4904

Triad

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



14.6540, 17.3939, 41.6147



23.4544, 17.3939, 15.4949



12.6963, 17.3939, 8.4675

Complementary

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



14.6540, 17.3939, 41.6147



18.0715, 10.8867, 1.1496

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.



15.2815, 17.3939, 6.2456



14.6540, 17.3939, 41.6147



21.6547, 17.3939, 9.3163

Square

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



14.6540, 17.3939, 41.6147



23.2283, 17.3939, 25.1057



18.5648, 17.3939, 6.4944



11.2654, 17.3939, 13.8751

Rectangle

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



14.6540, 17.3939, 41.6147



20.0612, 17.3939, 38.6424



18.5648, 17.3939, 6.4944



13.4437, 17.3939, 7.4180

Sweetspot

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



14.6546, 17.3945, 41.6151



49.4068, 56.5351, 79.1141



15.2438, 29.7018, 7.5025



10.2405, 11.8377, 17.1329



82.5889, 86.8899, 94.6231



15.4596, 16.2647, 17.7123

Same Dimension

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



14.6546, 17.3945, 41.6151



26.3886, 31.1630, 75.4300



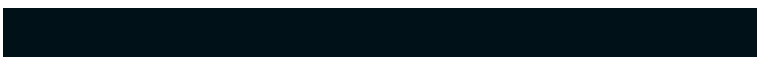
8.2107, 4.5066, 39.4672



8.0445, 8.6884, 10.2057



10.9524, 13.0387, 30.9840



0.3476, 0.4486, 0.8762

Inverse Universe

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



20.6519, 10.2266, 19.9548



37.3657, 18.5117, 35.6787



25.2476, 25.2389, 3.5416



8.2403, 8.1094, 9.5761



15.3919, 7.6193, 14.9752



0.4499, 0.2206, 0.5307

Previews

White Background



This preview shows how the XYZ color 14.6540, 17.3939, 41.6147 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 14.6540, 17.3939, 41.6147 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 14.6540, 17.3939, 41.6147

Background



This preview shows how black text looks on a background with the XYZ color 14.6540, 17.3939, 41.6147.

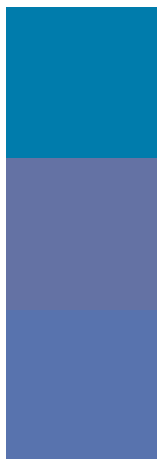


This preview shows how white text looks on a background with the XYZ color 14.6540, 17.3939,

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

14.6540, 17.3939, 41.6147

Protanopia

17.9737, 17.4243, 37.5379

Deuteranopia

17.7952, 17.3922, 42.4635



Tritanopia

12.3066, 17.2733, 26.7302

Trichromacy



Original Color

14.6540, 17.3939, 41.6147

Protanomaly

15.5678, 16.8369, 38.9885

Deuteranomaly

15.6521, 16.8147, 41.9558

Tritanomaly

13.0944, 17.3808, 31.5188

Monochromacy



Original Color

14.6540, 17.3939, 41.6147

Achromatopsia

10.1725, 10.7023, 11.6548

Achromatomaly

10.2051, 12.2109, 19.9082

CSS Examples

Text

The CSS property to change the color of the text to XYZ 14.6540, 17.3939, 41.6147 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, 124, 172)` looks like.

```
.text, #text, p{  
    color:rgb(0, 124, 172)  
}
```

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, 124, 172) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 124, 172) }
```

Border

The CSS property to change the border of an element to XYZ 14.6540, 17.3939, 41.6147 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, 124, 172) }
```


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

```
.border{ border-color:rgb(0, 124, 172) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 124, 172)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 124, 172); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 124, 172);  
box-shadow:4px 4px 4px 4px rgb(0, 124,  
172) }
```

Background

The CSS property to change the background color of an element to XYZ 14.6540, 17.3939, 41.6147 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 124, 172) }
```

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

```
.background{ background-color: rgb(0, 124,  
172) }
```

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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