

Converting Colors

XYZ(7.7104, 16.4427, 34.4009)

Have a look what the booklet for
XYZ(7.7104, 16.4427, 34.4009)
contains.

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Color

**XYZ(14.8049, 20.0086,
34.5342)**

Conversions

Conversions Part 1

Format	Color
Hex	00889C
RGB	0, 136, 156
RGB Percent	0%, 53%, 61%
CMY	0.9999, 0.4667, 0.3882
CMYK	1.00, 0.13, 0.00, 0.39
HSL	188°, 100%, 31%
HSV	188°, 100%, 61%
XYZ	14.8049, 20.0086, 34.5342
YIQ	97.6160, -87.4760, -22.6120

Conversions

Conversions Part 2

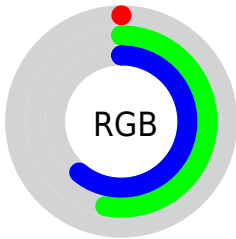
Format	Color
RYB	0, 73, 156
Decimal	34972
CIELab	51.85, -23.42, -19.42
CIELCh	52, 30.421, 219.661
Yxy	20.0086, 0.2135, 0.2885
Android (android.graphics.Color)	4278225052 (0xFF00889C)
YUV	97.6160, 28.7833, -85.6092
Hunter-Lab	44.7310, -19.1999, -14.4627

Details

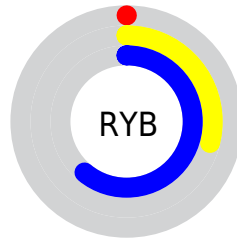
The XYZ color **14.8049, 20.0086, 34.5342** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **13.9612, 7.5692, 0.7259**, and the grayscale version is **11.4628, 12.0598, 13.1331**.

A 20% lighter version of the original color is **34.1958, 43.6048, 68.2423**, and **5.8776, 7.6755, 14.5363** is the 20% darker color. If you saturate the color by 10%, you get **14.8048, 20.0082, 34.5345**, and if you desaturate by 10%, it is **15.2969, 20.6848, 34.6392**.

Distribution



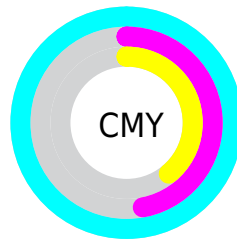
- Red (0%)
- Green (53%)
- Blue (61%)



- Red (0%)
- Yellow (29%)
- Blue (61%)



- Cyan (100%)
- Magenta (13%)
- Yellow (0%)
- Black (39%)



- Cyan (100%)
- Magenta (47%)
- Yellow (39%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 14.8049, 20.0086, 34.5342 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 14.8049, 20.0086, 34.5342 by changing the saturation by 10% instead.

■ 14.8049, 20.0086,
34.5342

■ 14.8049, 20.0086,
34.5342

■ 215.5942,
251.9617, 337.3491

■ 8.7680, 12.4013,
23.0236

■ 34.0850, 43.4316,
67.9069

■ 4.6461, 7.0176,
14.4055

■ 48.0590, 60.0161,
90.6061

■ 2.0737, 3.4731,
8.2613

■ 65.4093, 80.3618,
117.8719

■ 0.6749, 1.3834,
4.1724

■ 86.5013, 104.8530,
150.1229

■ 0.0000, 0.2045,
1.7204

■ 111.7005,
133.8742, 187.7775

■ 0.0000, 0.0000,
0.3747

■ 141.3721,

■ 0.0000, 0.0000,

167.8098, 231.2544

0.0000

175.8816,
207.0442, 280.9721

■ 14.8049, 20.0086,
34.5342

■ 14.8049, 20.0086,
34.5342

■ 14.8048, 20.0082,
34.5345

■ 15.2969, 20.6848,
34.6392

■ 15.9511, 21.4520,
34.7528

■ 16.8385, 22.3473,
34.8788

■ 17.9879, 23.3856,
35.0187

■ 19.4242, 24.5798,
35.1735

■ 21.1691, 25.9411,
35.3442

■ 23.2423, 27.4797,
35.5320

■ 25.6618, 29.2049,
35.7374

■ 28.4443, 31.1254,
35.9615

Harmonies

Analogous

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



13.7464, 20.0086, 24.7646



14.8049, 20.0086, 34.5342



17.0285, 20.0086, 41.9250

Triad

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



14.8049, 20.0086, 34.5342



25.1427, 20.0086, 28.2436



18.0389, 20.0086, 8.9588

Complementary

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



14.8049, 20.0086, 34.5342



13.9612, 7.5692, 0.7259

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.



21.1558, 20.0086, 9.4192



14.8049, 20.0086, 34.5342



25.4886, 20.0086, 19.0563

Square

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



14.8049, 20.0086, 34.5342



23.0625, 20.0086, 37.6649



23.9620, 20.0086, 12.6388



15.4757, 20.0086, 11.1461

Rectangle

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



14.8049, 20.0086, 34.5342



18.9825, 20.0086, 43.5854



23.9620, 20.0086, 12.6388



19.0527, 20.0086, 8.8264

Sweetspot

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



14.8056, 20.0093, 34.5347



41.9666, 49.7303, 64.5138



11.9999, 23.8218, 4.5475



8.8985, 10.6961, 14.1659



74.8435, 78.7412, 85.7492



12.6291, 13.2868, 14.4694

Same Dimension

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



14.8056, 20.0093, 34.5347



26.7883, 36.1381, 62.6902



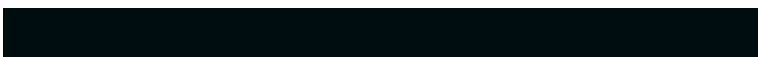
7.6074, 5.6130, 32.1353



6.7493, 7.3643, 8.4724



12.2120, 16.5156, 28.4514



0.2367, 0.3319, 0.5148

Inverse Universe

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



18.1548, 8.8462, 24.0438



32.9220, 16.0454, 43.3989



17.9127, 15.4722, 2.0431



6.8675, 6.7399, 8.1536



14.9623, 7.2895, 19.8502



0.2768, 0.1340, 0.4036

Previews

White Background



This preview shows how the XYZ color 14.8049, 20.0086, 34.5342 looks on a white 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

Black Background



This preview shows how the XYZ color 14.8049, 20.0086, 34.5342 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

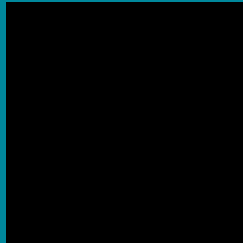
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 14.8049, 20.0086, 34.5342

Background



This preview shows how black text looks on a background with the XYZ color 14.8049, 20.0086, 34.5342.



This preview shows how white text looks on a background with the XYZ color 14.8049, 20.0086,

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

14.8049, 20.0086, 34.5342

Protanopia

19.6191, 19.8459, 29.9907

Deuteranopia

20.2978, 19.8910, 35.5704



Tritanopia

14.2910, 20.0294, 31.1298

Trichromacy



Original Color

14.8049, 20.0086, 34.5342

Protanomaly

15.9960, 18.8766, 31.6546

Deuteranomaly

16.4564, 18.8462, 35.1181

Tritanomaly

14.5316, 20.1257, 32.3969

Monochromacy



Original Color

14.8049, 20.0086, 34.5342

Achromatopsia

11.6093, 12.2139, 13.3009

Achromatomaly

11.1106, 13.9444, 19.5587

CSS Examples

Text

The CSS property to change the color of the text to XYZ 14.8049, 20.0086, 34.5342 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, 136, 156)` looks like.

```
.text, #text, p{  
    color:rgb(0, 136, 156)  
}
```

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, 136, 156) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 136, 156) }
```

Border

The CSS property to change the border of an element to XYZ 14.8049, 20.0086, 34.5342 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, 136, 156) }
```


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

```
.border{ border-color:rgb(0, 136, 156) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 136, 156)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 136, 156); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 136, 156);  
box-shadow:4px 4px 4px 4px rgb(0, 136,  
156) }
```

Background

The CSS property to change the background color of an element to XYZ 14.8049, 20.0086, 34.5342 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 136, 156) }
```

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

```
.background{ background-color: rgb(0, 136,  
156) }
```

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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