

Converting Colors

XYZ(11.0280, 18.1694, 36.9819)

Have a look what the booklet for
XYZ(11.0280, 18.1694, 36.9819)
contains.

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Color

**XYZ(15.4672, 20.5000,
37.3241)**

Conversions

Conversions Part 1

Format	Color
Hex	0089A2
RGB	0, 137, 162
RGB Percent	0%, 54%, 64%
CMY	0.9999, 0.4627, 0.3647
CMYK	1.00, 0.15, 0.00, 0.36
HSL	189°, 100%, 32%
HSV	189°, 100%, 64%
XYZ	15.4672, 20.5000, 37.3241
YIQ	98.8870, -89.6770, -21.2690

Conversions

Conversions Part 2

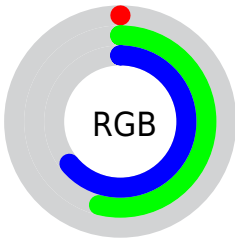
Format	Color
RYB	0, 74, 162
Decimal	35234
CIELab	52.40, -21.84, -22.04
CIElCh	52, 31.031, 225.266
Yxy	20.5000, 0.2110, 0.2797
Android (android.graphics.Color)	4278225314 (0xFF0089A2)
YUV	98.8870, 31.1147, -86.7239
Hunter-Lab	45.2769, -18.2566, -17.1820

Details

The XYZ color **15.4672, 20.5000, 37.3241** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **15.2486, 8.3776, 0.8139**, and the grayscale version is **11.7735, 12.3866, 13.4890**.

A 20% lighter version of the original color is **35.3716, 44.4450, 72.3601**, and **6.2227, 7.9422, 15.9569** is the 20% darker color. If you saturate the color by 10%, you get **15.4672, 20.4997, 37.3244**, and if you desaturate by 10%, it is **16.0447, 21.3318, 37.4546**.

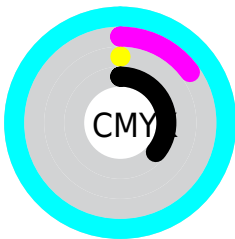
Distribution



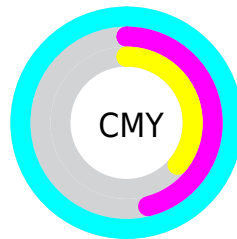
- Red (0%)
- Green (54%)
- Blue (64%)



- Red (0%)
- Yellow (29%)
- Blue (64%)



- Cyan (100%)
- Magenta (15%)
- Yellow (0%)
- Black (36%)



- Cyan (100%)
- Magenta (46%)
- Yellow (36%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 15.4672, 20.5000, 37.3241 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 15.4672, 20.5000, 37.3241 by changing the saturation by 10% instead.

■ 15.4672, 20.5000,
37.3241

■ 15.4672, 20.5000,
37.3241

■ 219.5096,
254.6092, 349.9224

■ 9.2364, 12.7590,
25.1608

■ 35.2357, 44.2539,
72.2629

■ 4.9540, 7.2628,
15.9768

■ 49.5041, 61.0356,
95.8754

■ 2.2548, 3.6270,
9.3535

■ 67.1824, 81.5997,
124.1414

■ 0.7714, 1.4672,
4.8725

■ 88.6359, 106.3305,
157.4794

■ 0.0000, 0.2655,
2.1152

■ 114.2300,
135.6124, 196.3080

■ 0.0000, 0.0000,
0.6248

■ 144.3301,

■ 0.0000, 0.0000,

169.8300, 241.0456

0.0000

179.3016,
209.3674, 292.1109

■ 15.4672, 20.5000,
37.3241

■ 15.4672, 20.5000,
37.3241

■ 15.4672, 20.4997,
37.3244

■ 16.0447, 21.3318,
37.4546

■ 16.8038, 22.2693,
37.5956

■ 17.8196, 23.3514,
37.7509

■ 19.1239, 24.5947,
37.9221

■ 20.7440, 26.0133,
38.1106

■ 22.7037, 27.6197,
38.3173

■ 25.0248, 29.4251,
38.5435

■ 27.7271, 31.4397,
38.7899

■ 30.8289, 33.6732,
39.0575

Harmonies

Analogous

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



14.1314, 20.5000, 27.2894



15.4672, 20.5000, 37.3241



17.9614, 20.5000, 44.0669

Triad

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



15.4672, 20.5000, 37.3241



26.0612, 20.5000, 27.1091



17.9091, 20.5000, 9.2722

Complementary

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



15.4672, 20.5000, 37.3241



15.2486, 8.3776, 0.8139

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.



21.0917, 20.5000, 9.2487



15.4672, 20.5000, 37.3241



26.0433, 20.5000, 17.9955

Square

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



15.4672, 20.5000, 37.3241



24.1903, 20.5000, 37.1613



24.1437, 20.5000, 11.9977



15.4326, 20.5000, 12.0744

Rectangle

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



15.4672, 20.5000, 37.3241



20.0548, 20.5000, 44.8665



24.1437, 20.5000, 11.9977



18.9254, 20.5000, 8.9708

Sweetspot

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



15.4679, 20.5007, 37.3246



45.1659, 53.2172, 69.9476



13.0889, 25.9084, 5.1925



9.7493, 11.6487, 15.6721



78.6606, 82.7571, 90.1225



14.0027, 14.7319, 16.0430

Same Dimension

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



15.4679, 20.5007, 37.3246



27.9568, 36.9703, 67.7186



7.9709, 5.5068, 34.8256



7.1826, 7.8242, 9.0347



12.2107, 16.2007, 29.4133



0.2801, 0.3875, 0.6259

Inverse Universe

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



19.4162, 9.4881, 24.4758



35.1858, 17.1992, 44.1055



19.9835, 17.8474, 2.3922



7.3171, 7.1833, 8.6564



15.3088, 7.4796, 19.3488



0.3336, 0.1619, 0.4692

Previews

White Background



This preview shows how the XYZ color 15.4672, 20.5000, 37.3241 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 15.4672, 20.5000, 37.3241 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 15.4672, 20.5000, 37.3241

Background



This preview shows how black text looks on a background with the XYZ color 15.4672, 20.5000, 37.3241.



This preview shows how white text looks on a background with the XYZ color 15.4672, 20.5000,

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

15.4672, 20.5000, 37.3241

Protanopia

20.2217, 20.2845, 32.5553

Deuteranopia

20.8139, 20.4599, 38.4495



Tritanopia

14.5133, 20.3469, 31.5962

Trichromacy



Original Color

15.4672, 20.5000, 37.3241

Protanomaly

16.6216, 19.3345, 34.3084

Deuteranomaly

17.1677, 19.5351, 37.9878

Tritanomaly

14.9212, 20.5101, 33.7443

Monochromacy



Original Color

15.4672, 20.5000, 37.3241

Achromatopsia

11.8596, 12.4772, 13.5877

Achromatomaly

11.4679, 14.2722, 20.5627

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.4672, 20.5000, 37.3241 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, 137, 162)` looks like.

```
.text, #text, p{  
    color:rgb(0, 137, 162)  
}
```

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, 137, 162) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 137, 162) }
```

Border

The CSS property to change the border of an element to XYZ 15.4672, 20.5000, 37.3241 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, 137, 162) }
```


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

```
.border{ border-color:rgb(0, 137, 162) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 137, 162)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 137, 162); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 137, 162);  
box-shadow:4px 4px 4px 4px rgb(0, 137,  
162) }
```

Background

The CSS property to change the background color of an element to XYZ 15.4672, 20.5000, 37.3241 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 137, 162) }
```

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

```
.background{ background-color: rgb(0, 137,  
162) }
```

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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