

Converting Colors

XYZ(14.6333, 17.0347, 33.0566)

Have a look what the booklet for
XYZ(14.6333, 17.0347, 33.0566)
contains.

XYZ(14.6567, 17.0320, 33.0869)	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(14.6567, 17.0320,
33.0869)**

Conversions

Conversions Part 1

Format	Color
Hex	3E799A
RGB	62, 121, 154
RGB Percent	24%, 47%, 60%
CMY	0.7568, 0.5255, 0.3961
CMYK	0.60, 0.21, 0.00, 0.40
HSL	202°, 43%, 42%
HSV	202°, 60%, 60%
XYZ	14.6567, 17.0320, 33.0869
YIQ	107.1210, -45.7570, -2.2450

Conversions

Conversions Part 2

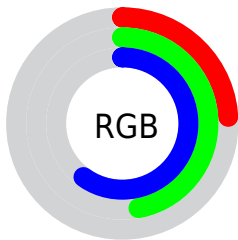
Format	Color
R_{YB}	62, 98, 154
Decimal	4094362
CIE _{Lab}	48.30, -9.03, -23.60
CIE _{LCh}	48, 25.268, 249.055
Yxy	17.0320, 0.2263, 0.2629
Android (android.graphics.Color)	4282284442 (0xFF3E799A)
YUV	107.1210, 23.1113, -39.5711
Hunter-Lab	41.2698, -8.8292, -18.6451

Details

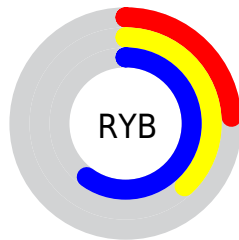
The XYZ color **14.6567, 17.0320, 33.0869** is a dark color, and the websafe version is hex **006699**. A complement of this color would be **18.2887, 15.4029, 6.5671**, and the grayscale version is **13.9562, 14.6830, 15.9898**.

A 20% lighter version of the original color is **33.7883, 38.2725, 65.9281**, and **4.8307, 5.7444, 13.6861** is the 20% darker color. If you saturate the color by 10%, you get **13.1723, 15.2989, 32.8309**, and if you desaturate by 10%, it is **16.4544, 18.9843, 33.3693**.

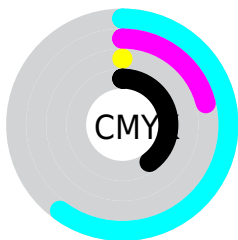
Distribution



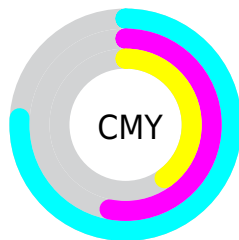
- Red (24%)
- Green (47%)
- Blue (60%)



- Red (24%)
- Yellow (38%)
- Blue (60%)



- Cyan (60%)
- Magenta (21%)
- Yellow (0%)
- Black (40%)



- Cyan (76%)
- Magenta (53%)
- Yellow (40%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 14.6567, 17.0320, 33.0869 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 14.6567, 17.0320, 33.0869 by changing the saturation by 10% instead.

■ 14.6567, 17.0320,
33.0869

■ 14.6567, 17.0320,
33.0869

214.7086,
235.3567, 330.6851

■ 8.6635, 10.2573,
21.9214

■ 33.8264, 38.3808,
65.6288

■ 4.5777, 5.5699,
13.6014

■ 47.7337, 53.7237,
87.8421

■ 2.0339, 2.5854,
7.7084

■ 65.0097, 72.6914,
114.5752

■ 0.6529, 0.9193,
3.8238

■ 86.0199, 95.6684,
146.2466

■ 0.0000, 0.0000,
1.5292

■ 111.1295,
123.0390, 183.2747

■ 0.0000, 0.0000,
0.2395

140.7039,

■ 0.0000, 0.0000,

155.1877, 226.0781

0.0000

175.1085,
192.4988, 275.0754

■ 14.6567, 17.0320,
33.0869

■ 14.6567, 17.0320,
33.0869

■ 13.1723, 15.2989,
32.8309

■ 16.4544, 18.9843,
33.3693

■ 11.9750, 13.7696,
32.5989

■ 18.5852, 21.1661,
33.6781

■ 11.0369, 12.4290,
32.3895

■ 21.0695, 23.5890,
34.0149

■ 10.2908, 11.2417,
32.1997

■ 23.9250, 26.2631,
34.3805

■ 10.2721, 11.2117,
32.1949

■ 27.1687, 29.1978,
34.7760

■ 30.8160, 32.4022,
35.2023

■ 34.8817, 35.8846,
35.6602

■ 39.3798, 39.6530,
36.1505

■ 44.3236, 43.7151,
36.6740

Harmonies

Analogous

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



12.9879, 17.0320, 27.7365



14.6567, 17.0320, 33.0869



16.8953, 17.0320, 34.0971

Triad

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



14.6567, 17.0320, 33.0869



20.9663, 17.0320, 16.6200



13.5559, 17.0320, 10.3382

Complementary

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



14.6567, 17.0320, 33.0869



18.2887, 15.4029, 6.5671

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.



15.5015, 17.0320, 8.6298



14.6567, 17.0320, 33.0869



19.8757, 17.0320, 11.6480

Square

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



14.6567, 17.0320, 33.0869



20.6855, 17.0320, 23.4571



17.8233, 17.0320, 9.0445



12.3955, 17.0320, 14.3714

Rectangle

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



14.6567, 17.0320, 33.0869



18.4353, 17.0320, 31.9845



17.8233, 17.0320, 9.0445



14.1320, 17.0320, 9.5223

Sweetspot

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



14.6573, 17.0326, 33.0873



44.2301, 48.4140, 62.5500



15.5721, 24.9475, 14.6321



9.6678, 10.6424, 14.1150



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.



14.6573, 17.0326, 33.0873



23.0639, 26.7199, 59.4782



10.3906, 8.4992, 31.6651



6.1981, 6.6536, 7.8866



8.4034, 9.2036, 26.2413



0.1598, 0.2059, 0.4037

Inverse Universe

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



18.5007, 11.6963, 19.3723



31.1012, 17.5313, 30.3560



23.6037, 26.0330, 8.3388



6.3671, 6.2860, 7.3133



12.7004, 6.3344, 10.2134



0.2071, 0.1016, 0.2435

Previews

White Background



This preview shows how the XYZ color 14.6567, 17.0320, 33.0869 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 14.6567, 17.0320, 33.0869 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

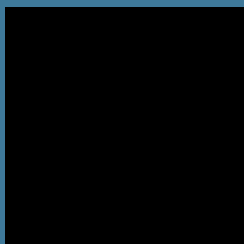
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

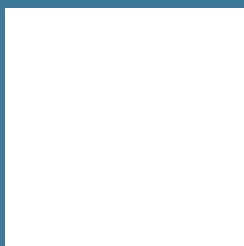
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 14.6567, 17.0320, 33.0869

Background



This preview shows how black text looks on a background with the XYZ color 14.6567, 17.0320, 33.0869.

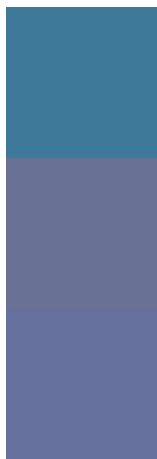


This preview shows how white text looks on a background with the XYZ color 14.6567, 17.0320,

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

14.6567, 17.0320, 33.0869

Protanopia

17.0761, 16.9516, 30.3890

Deuteranopia

17.2727, 16.9773, 33.8191



Tritanopia

13.0490, 16.9215, 25.5001

Trichromacy



Original Color

14.6567, 17.0320, 33.0869

Protanomaly

15.8702, 16.8166, 31.2636

Deuteranomaly

16.0923, 16.8836, 33.4210

Tritanomaly

13.5963, 16.9597, 28.1481

Monochromacy



Original Color

14.6567, 17.0320, 33.0869

Achromatopsia

13.9749, 14.7027, 16.0113

Achromatomaly

13.7466, 15.2677, 21.2912

CSS Examples

Text

The CSS property to change the color of the text to XYZ 14.6567, 17.0320, 33.0869 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(62, 121, 154)` looks like.

```
.text, #text, p{  
    color:rgb(62, 121, 154)  
}
```

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(62, 121, 154) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(62, 121, 154) }
```

Border

The CSS property to change the border of an element to XYZ 14.6567, 17.0320, 33.0869 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(62, 121, 154) }
```


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

```
.border{ border-color:rgb(62, 121, 154) }
```

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

Here you see how a box with a 4 pixel `rgb(62, 121, 154)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(62, 121, 154); -webkit-box-  
shadow:4px 4px 4px 4px rgb(62, 121, 154);  
box-shadow:4px 4px 4px 4px rgb(62, 121,  
154) }
```

Background

The CSS property to change the background color of an element to XYZ 14.6567, 17.0320, 33.0869 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(62, 121, 154) }
```

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

```
.background{ background-color: rgb(62, 121,  
154) }
```

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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