

Converting Colors

XYZ(13.5194, 17.2661, 34.6343)

Have a look what the booklet for
XYZ(13.5194, 17.2661, 34.6343)
contains.

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Color

**XYZ(13.5467, 17.3560,
34.5344)**

Conversions

Conversions Part 1

Format	Color
Hex	007E9D
RGB	0, 126, 157
RGB Percent	0%, 49%, 62%
CMY	0.9999, 0.5059, 0.3843
CMYK	1.00, 0.20, 0.00, 0.38
HSL	192°, 100%, 31%
HSV	192°, 100%, 62%
XYZ	13.5467, 17.3560, 34.5344
YIQ	91.8600, -85.0470, -17.0710

Conversions

Conversions Part 2

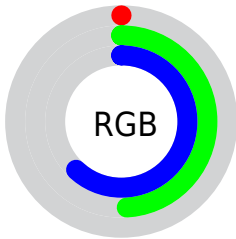
Format	Color
RYB	0, 70, 157
Decimal	32413
CIELab	48.71, -17.73, -24.83
CIELCh	49, 30.510, 234.480
Yxy	17.3560, 0.2070, 0.2652
Android (android.graphics.Color)	4278222493 (0xFF007E9D)
YUV	91.8600, 32.1140, -80.5612
Hunter-Lab	41.6605, -14.8633, -19.9859

Details

The XYZ color **13.5467, 17.3560, 34.5344** is a dark color, and the websafe version is hex **0099CC**. A complement of this color would be **14.3958, 8.1498, 0.8152**, and the grayscale version is **10.0853, 10.6105, 11.5549**.

A 20% lighter version of the original color is **31.9342, 39.0199, 68.1358**, and **5.2554, 6.3484, 14.5840** is the 20% darker color. If you saturate the color by 10%, you get **13.5461, 17.3548, 34.5346**, and if you desaturate by 10%, it is **14.1587, 18.2695, 34.6788**.

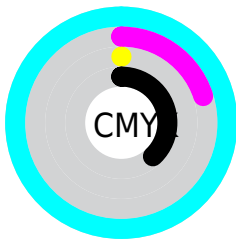
Distribution



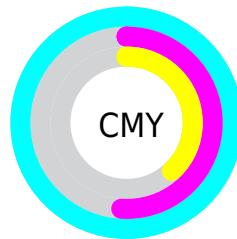
- Red (0%)
- Green (49%)
- Blue (62%)



- Red (0%)
- Yellow (27%)
- Blue (62%)



- Cyan (100%)
- Magenta (20%)
- Yellow (0%)
- Black (38%)



- Cyan (100%)
- Magenta (51%)
- Yellow (38%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.5467, 17.3560, 34.5344 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 13.5467, 17.3560, 34.5344 by changing the saturation by 10% instead.

■ 13.5467, 17.3560,
34.5344

■ 13.5467, 17.3560,
34.5344

207.9598,
237.2156, 337.3500

■ 7.8857, 10.4886,
23.0238

■ 31.8756, 38.9369,
67.9072

■ 4.0731, 5.7241,
14.4056

■ 45.2741, 54.4191,
90.6065

■ 1.7435, 2.6781,
8.2613

■ 61.9825, 73.5418,
117.8724

■ 0.4833, 0.9661,
4.1725

■ 82.3661, 96.6894,
150.1234

■ 0.0000, 0.0000,
1.7204

■ 106.7902,
124.2461, 187.7781

■ 0.0000, 0.0000,
0.3747

■ 135.6204,

■ 0.0000, 0.0000,

156.5965, 231.2551

0.0000

169.2218,
194.1249, 280.9729

■ 13.5467, 17.3560,
34.5344

■ 13.5467, 17.3560,
34.5344

■ 13.5461, 17.3548,
34.5346

■ 14.1587, 18.2695,
34.6788

■ 14.9428, 19.2899,
34.8344

■ 15.9705, 20.4544,
35.0051

■ 17.2715, 21.7786,
35.1921

■ 18.8709, 23.2754,
35.3967

■ 20.7909, 24.9565,
35.6200

■ 23.0515, 26.8324,
35.8629

■ 25.6712, 28.9128,
36.1264

■ 28.6671, 31.2065,
36.4112

Harmonies

Analogous

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



12.0435, 17.3560, 26.0780



13.5467, 17.3560, 34.5344



15.9810, 17.3560, 38.9125

Triad

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



13.5467, 17.3560, 34.5344



22.4930, 17.3560, 20.4288



14.3532, 17.3560, 8.0077

Complementary

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



13.5467, 17.3560, 34.5344



14.3958, 8.1498, 0.8152

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.



17.0226, 17.3560, 7.2849



13.5467, 17.3560, 34.5344



21.9303, 17.3560, 13.1736

Square

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



13.5467, 17.3560, 34.5344



21.3066, 17.3560, 29.4128



19.8458, 17.3560, 8.8789



12.4707, 17.3560, 11.2452

Rectangle

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



13.5467, 17.3560, 34.5344



17.8874, 17.3560, 38.2358



19.8458, 17.3560, 8.8789



15.1794, 17.3560, 7.5099

Sweetspot

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



13.5473, 17.3566, 34.5348



41.0229, 47.8429, 64.1992



12.2769, 24.2022, 5.1745



8.6664, 10.2318, 14.0885



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.



13.5473, 17.3566, 34.5348



24.1232, 30.8078, 61.8018



7.2157, 4.6934, 32.4243



6.7105, 7.2868, 8.4595



11.0279, 14.1473, 28.0567



0.2233, 0.3051, 0.5104

Inverse Universe

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



17.6711, 8.6753, 20.4822



31.5767, 15.5073, 36.3150



19.1933, 17.7450, 2.4144



6.8480, 6.7321, 8.0505



14.3646, 7.0504, 16.7026



0.2700, 0.1313, 0.3679

Previews

White Background



This preview shows how the XYZ color 13.5467, 17.3560, 34.5344 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 13.5467, 17.3560, 34.5344 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

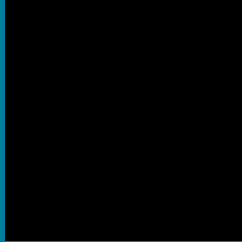
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 13.5467, 17.3560, 34.5344

Background



This preview shows how black text looks on a background with the XYZ color 13.5467, 17.3560, 34.5344.

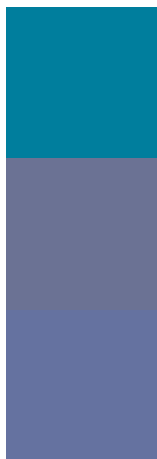


This preview shows how white text looks on a background with the XYZ color 13.5467, 17.3560,

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

13.5467, 17.3560, 34.5344

Protanopia

17.4260, 17.2985, 30.4375

Deuteranopia

17.7293, 17.3394, 35.6701



Tritanopia

12.3066, 17.2733, 26.7302

Trichromacy



Original Color

13.5467, 17.3560, 34.5344

Protanomaly

14.4482, 16.4202, 31.6861

Deuteranomaly

14.8508, 16.5501, 35.2126

Tritanomaly

12.7002, 17.2231, 29.4431

Monochromacy



Original Color

13.5467, 17.3560, 34.5344

Achromatopsia

10.1725, 10.7023, 11.6548

Achromatomaly

9.9063, 12.0914, 18.3347

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.5467, 17.3560, 34.5344 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, 126, 157)` looks like.

```
.text, #text, p{  
    color:rgb(0, 126, 157)  
}
```

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, 126, 157) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 126, 157) }
```

Border

The CSS property to change the border of an element to XYZ 13.5467, 17.3560, 34.5344 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, 126, 157) }
```


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

```
.border{ border-color:rgb(0, 126, 157) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 126, 157)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 126, 157); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 126, 157);  
box-shadow:4px 4px 4px 4px rgb(0, 126,  
157) }
```

Background

The CSS property to change the background color of an element to XYZ 13.5467, 17.3560, 34.5344 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 126, 157) }
```

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

```
.background{ background-color: rgb(0, 126,  
157) }
```

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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