

Converting Colors

XYZ(17.4713, 17.7600, 35.0872)

Have a look what the booklet for
XYZ(17.4713, 17.7600, 35.0872)
contains.

XYZ(17.4432, 17.7126, 35.3004)	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(17.4432, 17.7126,
35.3004)**

Conversions

Conversions Part 1

Format	Color
Hex	60759F
RGB	96, 117, 159
RGB Percent	38%, 46%, 62%
CMY	0.6235, 0.5412, 0.3765
CMYK	0.40, 0.26, 0.00, 0.38
HSL	220°, 25%, 50%
HSV	220°, 40%, 62%
XYZ	17.4432, 17.7126, 35.3004
YIQ	115.5090, -25.9980, 8.6100

Conversions

Conversions Part 2

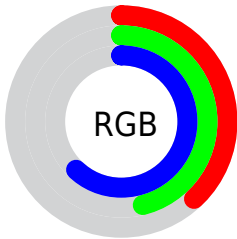
Format	Color
R _Y B	96, 112, 159
Decimal	6321567
CIE Lab	49.15, 3.34, -25.07
CIE LCh	49, 25.296, 277.587
Yxy	17.7126, 0.2476, 0.2514
Android (android.graphics.Color)	4284511647 (0xFF60759F)
YUV	115.5090, 21.4411, -17.1094
Hunter-Lab	42.0863, 0.3304, -20.2697

Details

The XYZ color **17.4432, 17.7126, 35.3004** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **25.4984, 26.3930, 14.8175**, and the grayscale version is **16.3933, 17.2471, 18.7820**.

A 20% lighter version of the original color is **38.7200, 39.6205, 69.2251**, and **5.8642, 5.8757, 14.7350** is the 20% darker color. If you saturate the color by 10%, you get **14.7706, 14.6043, 34.8416**, and if you desaturate by 10%, it is **20.5952, 21.2764, 35.8225**.

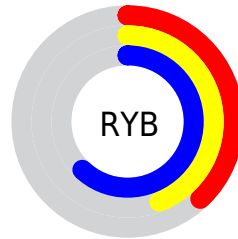
Distribution



Red (38%)

Green (46%)

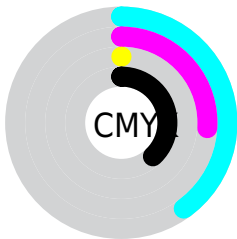
Blue (62%)



Red (38%)

Yellow (44%)

Blue (62%)

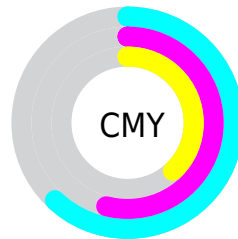


Cyan (40%)

Magenta (26%)

Yellow (0%)

Black (38%)



Cyan (62%)

Magenta (54%)

Yellow (38%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 17.4432, 17.7126, 35.3004 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 17.4432, 17.7126, 35.3004 by changing the saturation by 10% instead.

■ 17.4432, 17.7126,
35.3004

■ 17.4432, 17.7126,
35.3004

230.8204,
239.2461, 340.8368

■ 10.6482, 10.7438,
23.6090

■ 38.6238, 39.5470,
69.1077

■ 5.8964, 5.8949,
14.8343

■ 53.7402, 55.1814,
92.0607

■ 2.8222, 2.7813,
8.5578

■ 72.3610, 74.4732,
119.6046

■ 1.0605, 1.0186,
4.3611

■ 94.8517, 97.8067,
152.1579

■ 0.0000, 0.0000,
1.8254

121.5777,
125.5664, 190.1393

■ 0.0000, 0.0000,
0.4447

152.9042,

■ 0.0000, 0.0000,

158.1365, 233.9672

0.0000

189.1967,
195.9017, 284.0601

■ 17.4432, 17.7126,
35.3004

■ 17.4432, 17.7126,
35.3004

■ 14.7706, 14.6043,
34.8416

■ 20.5952, 21.2764,
35.8225

■ 12.5505, 11.9297,
34.4424

■ 24.2481, 25.3122,
36.4089

■ 10.7557, 9.6678,
34.1004

■ 28.4241, 29.8382,
37.0624

■ 9.3555, 7.7951,
33.8127

■ 33.1436, 34.8709,
37.7851

■ 8.3139, 6.2849,
33.5761

■ 38.4257, 40.4259,
38.5789

■ 7.5571, 5.0901,
33.3854

■ 44.2887, 46.5183,
39.4459

■ 7.5312, 5.0494,
33.3789

■ 50.7501, 53.1625,
40.3878

■ 57.8265, 60.3721,
41.4064

■ 65.5340, 68.1606,
42.5035

Harmonies

Analogous

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



15.1594, 17.7126, 34.0142



17.4432, 17.7126, 35.3004



19.7658, 17.7126, 31.5641

Triad

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



17.4432, 17.7126, 35.3004



20.7042, 17.7126, 12.3797



12.9697, 17.7126, 14.7322

Complementary

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



17.4432, 17.7126, 35.3004



25.4984, 26.3930, 14.8175

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.



14.2097, 17.7126, 10.6935



17.4432, 17.7126, 35.3004



18.6303, 17.7126, 9.5739

Square

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



17.4432, 17.7126, 35.3004



21.7600, 17.7126, 17.6162



16.2417, 17.7126, 9.0386



12.7160, 17.7126, 21.0581

Rectangle

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



17.4432, 17.7126, 35.3004



20.9758, 17.7126, 27.1476



16.2417, 17.7126, 9.0386



13.2790, 17.7126, 13.1107

Sweetspot

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



17.4438, 17.7133, 35.3008



48.8623, 51.2375, 66.0580



21.8100, 29.1185, 28.5162



10.8082, 11.3270, 14.8603



76.7382, 80.7346, 87.9200



13.3056, 13.9985, 15.2444

Same Dimension

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



17.4438, 17.7133, 35.3008



26.7644, 26.5231, 62.4523



16.4450, 13.9646, 34.6299



6.4564, 6.7786, 8.3748



5.9834, 4.0584, 26.3752



0.1437, 0.1461, 0.4838

Inverse Universe

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



21.6924, 17.0217, 18.9725



35.6739, 25.7078, 28.0686



26.8133, 31.9838, 15.8274



6.7197, 6.6808, 7.3751



11.8184, 6.0319, 3.2946



0.2299, 0.1153, 0.1566

Previews

White Background



This preview shows how the XYZ color 17.4432, 17.7126, 35.3004 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 17.4432, 17.7126, 35.3004 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

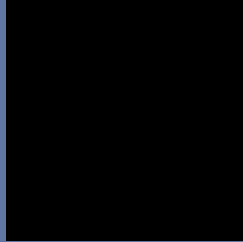
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

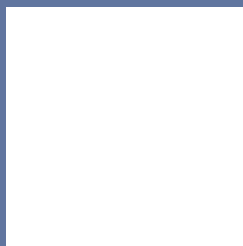
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 17.4432, 17.7126, 35.3004

Background



This preview shows how black text looks on a background with the XYZ color 17.4432, 17.7126, 35.3004.

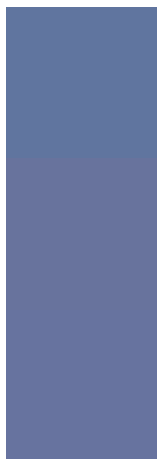


This preview shows how white text looks on a background with the XYZ color 17.4432, 17.7126,

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

17.4432, 17.7126, 35.3004

Protanopia

17.9255, 17.6388, 34.3582

Deuteranopia

17.9823, 17.6482, 35.2596



Tritanopia

15.2442, 17.7089, 24.4445

Trichromacy



Original Color

17.4432, 17.7126, 35.3004

Protanomaly

17.7838, 17.7261, 34.8319

Deuteranomaly

17.7589, 17.7033, 35.2820

Tritanomaly

16.0126, 17.6612, 28.1562

Monochromacy



Original Color

17.4432, 17.7126, 35.3004

Achromatopsia

16.6002, 17.4647, 19.0191

Achromatomaly

16.7169, 17.4079, 24.3088

CSS Examples

Text

The CSS property to change the color of the text to XYZ 17.4432, 17.7126, 35.3004 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(96, 117, 159) looks like.

```
.text, #text, p{  
    color:rgb(96, 117, 159)  
}
```

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(96, 117, 159) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(96, 117, 159) }
```

Border

The CSS property to change the border of an element to XYZ 17.4432, 17.7126, 35.3004 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(96, 117, 159) }
```


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

```
.border{ border-color:rgb(96, 117, 159) }
```

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

Here you see how a box with a 4 pixel `rgb(96, 117, 159)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(96, 117, 159); -webkit-box-  
shadow:4px 4px 4px 4px rgb(96, 117, 159);  
box-shadow:4px 4px 4px 4px rgb(96, 117,  
159) }
```

Background

The CSS property to change the background color of an element to XYZ 17.4432, 17.7126, 35.3004 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(96, 117, 159) }
```

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

```
.background{ background-color: rgb(96, 117,  
159) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor