

Converting Colors

XYZ(12.2775, 17.1797, 33.8415)

Have a look what the booklet for
XYZ(12.2775, 17.1797, 33.8415)
contains.

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Color

**XYZ(13.6356, 17.8049,
33.7284)**

Conversions

Conversions Part 1	
Format	Color
Hex	00809B
RGB	0, 128, 155
RGB Percent	0%, 50%, 61%
CMY	0.9999, 0.4980, 0.3922
CMYK	1.00, 0.17, 0.00, 0.39
HSL	190°, 100%, 30%
HSV	190°, 100%, 61%
XYZ	13.6356, 17.8049, 33.7284
YIQ	92.8060, -84.9550, -18.7390

Conversions

Conversions Part 2

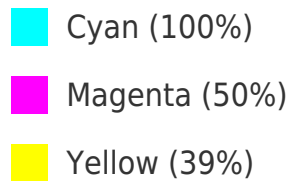
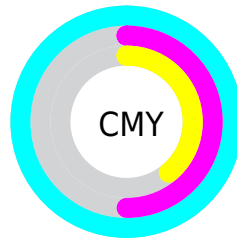
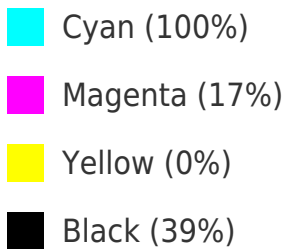
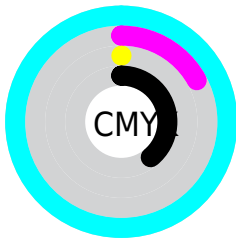
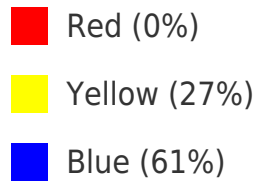
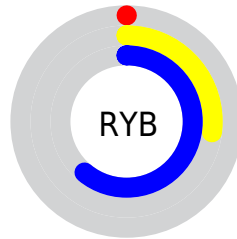
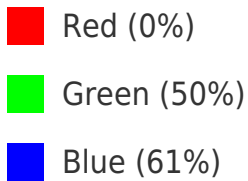
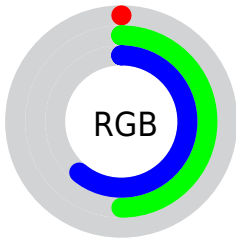
Format	Color
RYB	0, 70, 155
Decimal	32923
CIELab	49.26, -19.54, -22.81
CIELCh	49, 30.035, 229.414
Yxy	17.8049, 0.2092, 0.2732
Android (android.graphics.Color)	4278223003 (0xFF00809B)
YUV	92.8060, 30.6616, -81.3909
Hunter-Lab	42.1959, -16.1604, -17.8552

Details

The XYZ color **13.6356, 17.8049, 33.7284** is a dark color, and the websafe version is hex **0099CC**. A complement of this color would be **13.9105, 7.7538, 0.7643**, and the grayscale version is **10.3065, 10.8432, 11.8083**.

A 20% lighter version of the original color is **32.0872, 39.7271, 66.9497**, and **5.2947, 6.5914, 14.0899** is the 20% darker color. If you saturate the color by 10%, you get **13.6352, 17.8041, 33.7286**, and if you desaturate by 10%, it is **14.1985, 18.6253, 33.8574**.


Distribution




Brightness & Saturation Gradients


These gradients show how the XYZ color 13.6356, 17.8049, 33.7284 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 13.6356, 17.8049, 33.7284 by changing the saturation by 10% instead.


 13.6356, 17.8049,
33.7284


 13.6356, 17.8049,
33.7284


208.5082,
239.7691, 333.6514


 7.9477, 10.8100,
22.4094


 32.0327, 39.7046,
66.6401


 4.1130, 5.9392,
13.9568


 45.4726, 55.3782,
89.0699


 1.7663, 2.8082,
7.9522


 62.2273, 74.7135,
116.0404

 0.4972, 1.0324,
3.9771

 82.6619, 98.0948,
147.9700

 0.0000, 0.0000,
1.6128

 107.1420,
125.9067, 185.2774

 0.0000, 0.0000,
0.2999

 136.0328,

 0.0000, 0.0000,

158.5334, 228.3811

0.0000

169.6998,
196.3594, 277.6996

■ 13.6356, 17.8049,
33.7284

■ 13.6356, 17.8049,
33.7284

■ 13.6352, 17.8041,
33.7286

■ 14.1985, 18.6253,
33.8574

■ 14.9251, 19.5438,
33.9964

■ 15.8858, 20.5971,
34.1491

■ 17.1090, 21.8000,
34.3168

■ 18.6192, 23.1651,
34.5007

■ 20.4378, 24.7036,
34.7018

■ 22.5842, 26.4257,
34.9211

■ 25.0762, 28.3406,
35.1594

■ 27.9303, 30.4569,
35.4174

Harmonies

Analogous

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



12.3080, 17.8049, 25.0184



13.6356, 17.8049, 33.7284



15.9466, 17.8049, 39.0019

Triad

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



13.6356, 17.8049, 33.7284



22.8305, 17.8049, 22.3807



15.1843, 17.8049, 8.1212

Complementary

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



13.6356, 17.8049, 33.7284



13.9105, 7.7538, 0.7643

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.



17.9385, 17.8049, 7.7798



13.6356, 17.8049, 33.7284



22.5678, 17.8049, 14.6704

Square

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



13.6356, 17.8049, 33.7284



21.3827, 17.8049, 31.3425



20.7004, 17.8049, 9.8249



13.1310, 17.8049, 10.9387

Rectangle

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



13.6356, 17.8049, 33.7284



17.8253, 17.8049, 39.0898



20.7004, 17.8049, 9.8249



16.0517, 17.8049, 7.7499

Sweetspot

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



13.6362, 17.8055, 33.7288



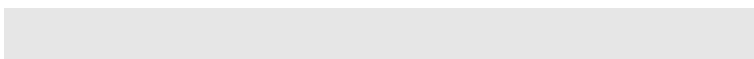
40.1963, 47.1295, 62.5146



11.9067, 23.5171, 4.8806



8.7435, 10.3861, 14.1143



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.



13.6362, 17.8055, 33.7288



24.2962, 31.6394, 60.3628



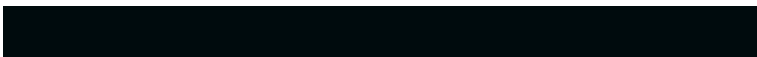
7.1308, 4.7948, 31.5604



6.2930, 6.8434, 7.9182



10.9763, 14.3492, 27.0989



0.1854, 0.2571, 0.4122

Inverse Universe

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



17.4144, 8.5278, 21.1508



31.1240, 15.2461, 37.5490



18.4024, 16.7376, 2.2616



6.4150, 6.3052, 7.5656



13.9991, 6.8539, 17.0519



0.2200, 0.1068, 0.3115

Previews

White Background



This preview shows how the XYZ color 13.6356, 17.8049, 33.7284 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 13.6356, 17.8049, 33.7284 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 13.6356, 17.8049, 33.7284

Background



This preview shows how black text looks on a background with the XYZ color 13.6356, 17.8049, 33.7284.

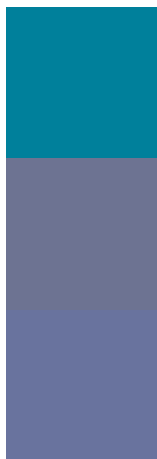


This preview shows how white text looks on a background with the XYZ color 13.6356, 17.8049,

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

13.6356, 17.8049, 33.7284

Protanopia

17.6257, 17.5880, 29.6600

Deuteranopia

18.1280, 17.7333, 34.8152



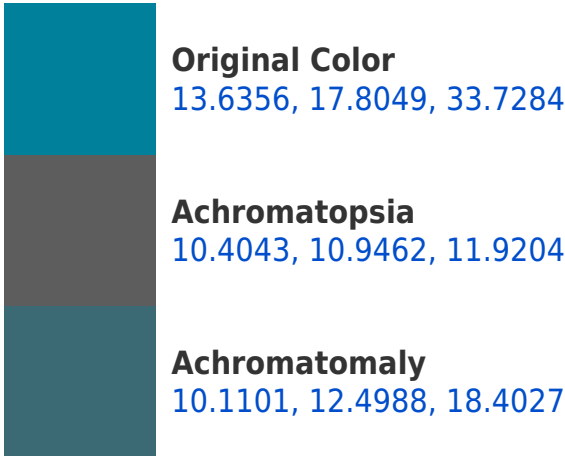
Tritanopia

12.7163, 17.8587, 27.5878

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.6356, 17.8049, 33.7284 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, 128, 155)` looks like.

```
.text, #text, p{  
    color:rgb(0, 128, 155)  
}
```


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, 128, 155) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 128, 155) }
```

Border

The CSS property to change the border of an element to XYZ 13.6356, 17.8049, 33.7284 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, 128, 155) }
```


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

```
.border{ border-color:rgb(0, 128, 155) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 128, 155)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 128, 155); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 128, 155);  
box-shadow:4px 4px 4px 4px rgb(0, 128,  
155) }
```


Background

The CSS property to change the background color of an element to XYZ 13.6356, 17.8049, 33.7284 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 128, 155) }
```

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

```
.background{ background-color: rgb(0, 128,  
155) }
```

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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