

Converting Colors

XYZ(10.3887, 13.6512, 17.4710)

Have a look what the booklet for
XYZ(10.3887, 13.6512, 17.4710)
contains.

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Color

**XYZ(10.3497, 13.5989,
17.4086)**

Conversions

Conversions Part 1

Format	Color
Hex	387070
RGB	56, 112, 112
RGB Percent	22%, 44%, 44%
CMY	0.7804, 0.5608, 0.5608
CMYK	0.50, 0.00, 0.00, 0.56
HSL	180°, 33%, 33%
HSV	180°, 50%, 44%
XYZ	10.3497, 13.5989, 17.4086
YIQ	95.2560, -33.3760, -11.8720

Conversions

Conversions Part 2

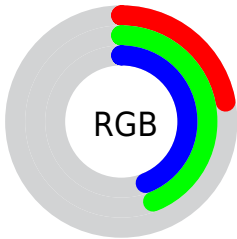
Format	Color
R_{YB}	56, 84, 112
Decimal	3698800
CIE _{Lab}	43.65, -18.36, -5.70
CIE _{LCh}	44, 19.224, 197.254
Yxy	13.5989, 0.2503, 0.3288
Android (android.graphics.Color)	4281888880 (0xFF387070)
YUV	95.2560, 8.2548, -34.4275
Hunter-Lab	36.8767, -14.4369, -2.1757

Details

The XYZ color **10.3497, 13.5989, 17.4086** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **8.8106, 6.5591, 4.5436**, and the grayscale version is **10.9255, 11.4945, 12.5175**.

A 20% lighter version of the original color is **26.1606, 32.4194, 40.0007**, and **2.7588, 4.0370, 5.4843** is the 20% darker color. If you saturate the color by 10%, you get **9.7926, 13.3120, 17.3828**, and if you desaturate by 10%, it is **11.0478, 13.9591, 17.4416**.

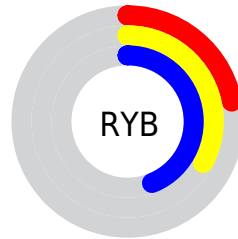
Distribution



Red (22%)

Green (44%)

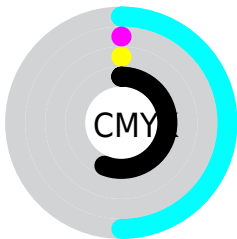
Blue (44%)



Red (22%)

Yellow (33%)

Blue (44%)

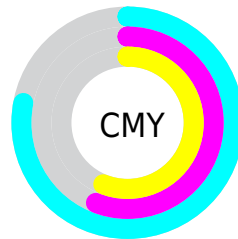


Cyan (50%)

Magenta (0%)

Yellow (0%)

Black (56%)



Cyan (78%)

Magenta (56%)

Yellow (56%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 10.3497, 13.5989, 17.4086 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 10.3497, 13.5989, 17.4086 by changing the saturation by 10% instead.

10.3497, 13.5989,
17.4086

10.3497, 13.5989,
17.4086

187.1520,
214.7211, 249.6393

5.6955, 7.8422,
10.3612

26.0950, 32.3756,
39.8272

2.6997, 3.9942,
5.5304

37.9167, 46.1645,
56.0355

0.9970, 1.6703,
2.4976

52.8583, 63.3995,
76.1345

0.0000, 0.4043,
0.8389

71.2851, 84.4651,
100.5428

0.0000, 0.0000,
0.0000

93.5626, 109.7456,
129.6789

120.0560,

139.6256, 163.9613

151.1306,
174.4892, 203.8086

■ 10.3497, 13.5989,
17.4086

■ 10.3497, 13.5989,
17.4086

■ 9.7926, 13.3120,
17.3828

■ 11.0478, 13.9591,
17.4416

■ 9.3657, 13.0919,
17.3628

■ 11.8941, 14.3954,
17.4813

■ 9.0588, 12.9338,
17.3483

■ 12.8971, 14.9124,
17.5283

■ 8.8597, 12.8311,
17.3390

■ 14.0640, 15.5140,
17.5829

■ 8.7190, 12.7586,
17.3323

■ 15.4017, 16.2036,
17.6456

■ 8.7190, 12.7586,
17.3323

■ 16.9167, 16.9846,
17.7165

■ 18.6152, 17.8602,
17.7961

■ 20.5030, 18.8334,
17.8845

■ 22.5857, 19.9071,
17.9820

Harmonies

Analogous

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



10.2989, 13.5989, 13.0496



10.3497, 13.5989, 17.4086



11.0558, 13.5989, 21.7794

Triad

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



10.3497, 13.5989, 17.4086



15.1734, 13.5989, 21.1876



13.5756, 13.5989, 8.0954

Complementary

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



10.3497, 13.5989, 17.4086



8.8106, 6.5591, 4.5436

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.



14.9946, 13.5989, 9.5082



10.3497, 13.5989, 17.4086



15.9642, 13.5989, 16.7153

Square

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



10.3497, 13.5989, 17.4086



13.8044, 13.5989, 24.2356



15.8964, 13.5989, 12.4782



12.0844, 13.5989, 8.2089

Rectangle

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



10.3497, 13.5989, 17.4086



11.8365, 13.5989, 23.8596



15.8964, 13.5989, 12.4782



14.0790, 13.5989, 8.3939

Sweetspot

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



10.3501, 13.5994, 17.4089



23.5637, 26.6645, 30.8345



8.1920, 12.7423, 5.7696



5.5821, 6.3653, 7.4041



55.7959, 58.7016, 63.9261



6.5000, 6.8385, 7.4471

Same Dimension

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



10.3501, 13.5994, 17.4089



17.0698, 23.3168, 30.5302



7.7992, 8.4976, 16.5589



3.4750, 3.8152, 4.3075



10.0794, 14.7493, 20.0367



50.2099, 73.4726, 99.8115

Inverse Universe

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



8.8106, 6.5591, 4.5436



14.0263, 9.3988, 5.0967



10.4947, 9.9275, 5.1049



3.3845, 3.4015, 3.5515



7.7249, 3.9824, 0.3616



38.4813, 19.8379, 1.8010

Previews

White Background



This preview shows how the XYZ color 10.3497, 13.5989, 17.4086 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 10.3497, 13.5989, 17.4086 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

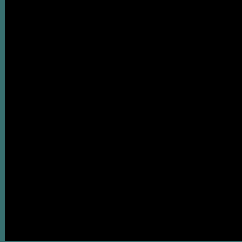
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 10.3497, 13.5989, 17.4086

Background



This preview shows how black text looks on a background with the XYZ color 10.3497, 13.5989, 17.4086.



This preview shows how white text looks on a background with the XYZ color 10.3497, 13.5989,

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

10.3497, 13.5989, 17.4086

Protanopia

12.9464, 13.4269, 15.5450

Deuteranopia

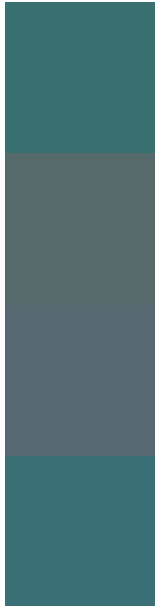
13.7151, 13.4779, 18.0983



Tritanopia

10.8782, 13.6548, 19.8316

Trichromacy



Original Color

10.3497, 13.5989, 17.4086

Protanomaly

11.6986, 13.3692, 16.1513

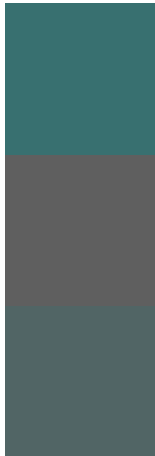
Deuteranomaly

12.0121, 13.1902, 17.8325

Tritanomaly

10.6402, 13.5528, 18.8848

Monochromacy



Original Color

10.3497, 13.5989, 17.4086

Achromatopsia

10.8771, 11.4435, 12.4620

Achromatomaly

10.3960, 11.9963, 14.0795

CSS Examples

Text

The CSS property to change the color of the text to XYZ 10.3497, 13.5989, 17.4086 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(56, 112, 112)` looks like.

```
.text, #text, p{  
    color:rgb(56, 112, 112)  
}
```

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(56, 112, 112) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(56, 112, 112) }
```

Border

The CSS property to change the border of an element to XYZ 10.3497, 13.5989, 17.4086 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(56, 112, 112) }
```


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

```
.border{ border-color:rgb(56, 112, 112) }
```

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

Here you see how a box with a 4 pixel `rgb(56, 112, 112)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(56, 112, 112); -webkit-box-  
shadow:4px 4px 4px 4px rgb(56, 112, 112);  
box-shadow:4px 4px 4px 4px rgb(56, 112,  
112) }
```

Background

The CSS property to change the background color of an element to XYZ 10.3497, 13.5989, 17.4086 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(56, 112, 112) }
```

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

```
.background{ background-color: rgb(56, 112,  
112) }
```

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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