

Converting Colors

XYZ(13.2099, 13.5219, 17.4202)

Have a look what the booklet for
XYZ(13.2099, 13.5219, 17.4202)
contains.

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Color

**XYZ(13.2115, 13.5198,
17.5360)**

Conversions

Conversions Part 1

Format	Color
Hex	666671
RGB	102, 102, 113
RGB Percent	40%, 40%, 44%
CMY	0.6000, 0.6000, 0.5569
CMYK	0.10, 0.10, 0.00, 0.56
HSL	240°, 5%, 42%
HSV	240°, 10%, 44%
XYZ	13.2115, 13.5198, 17.5360
YIQ	103.2540, -3.5310, 3.4210

Conversions

Conversions Part 2

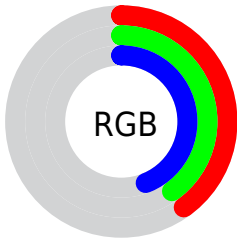
Format	Color
R _Y B	102, 102, 113
Decimal	6710897
CIE Lab	43.54, 2.38, -6.17
CIE LCh	44, 6.610, 291.132
Yxy	13.5198, 0.2984, 0.3054
Android (android.graphics.Color)	4284900977 (0xFF666671)
YUV	103.2540, 4.8048, -1.0998
Hunter-Lab	36.7693, -0.2097, -2.5381

Details

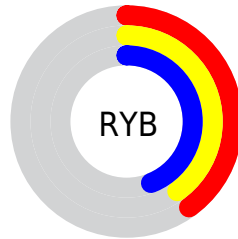
The XYZ color **13.2115, 13.5198, 17.5360** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **15.1134, 16.2801, 14.9164**, and the grayscale version is **12.9480, 13.6224, 14.8347**.

A 20% lighter version of the original color is **31.3196, 32.2714, 40.1756**, and **3.8959, 3.9263, 5.5535** is the 20% darker color. If you saturate the color by 10%, you get **10.9815, 10.8330, 17.1351**, and if you desaturate by 10%, it is **15.7683, 16.6005, 17.9961**.

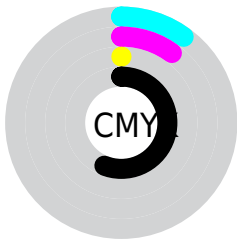
Distribution



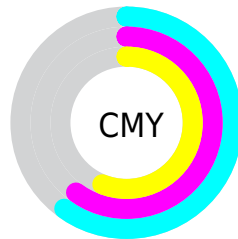
- Red (40%)
- Green (40%)
- Blue (44%)



- Red (40%)
- Yellow (40%)
- Blue (44%)



- Cyan (10%)
- Magenta (10%)
- Yellow (0%)
- Black (56%)



- Cyan (60%)
- Magenta (60%)
- Yellow (56%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.2115, 13.5198, 17.5360 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 13.2115, 13.5198, 17.5360 by changing the saturation by 10% instead.

■ 13.2115, 13.5198,
17.5360

■ 13.2115, 13.5198,
17.5360

205.8790,
214.2227, 250.3902

■ 7.6524, 7.7874,
10.4514

■ 31.2813, 32.2345,
40.0483

■ 3.9232, 3.9592,
5.5898

■ 44.5227, 45.9857,
56.3130

■ 1.6588, 1.6508,
2.5326

■ 61.0556, 63.1786,
76.4749

■ 0.4303, 0.3915,
0.8573

■ 81.2452, 84.1976,
100.9525

■ 0.0000, 0.0000,
0.0000

105.4570,
109.4271, 130.1642

134.0564,

139.2515, 164.5288

167.4086,
174.0552, 204.4646

■ 13.2115, 13.5198,
17.5360

■ 13.2115, 13.5198,
17.5360

■ 10.9815, 10.8330,
17.1351

■ 15.7683, 16.6005,
17.9961

■ 9.0639, 8.5225,
16.7902

■ 18.6630, 20.0883,
18.5167

■ 7.4452, 6.5721,
16.4991

■ 21.9077, 23.9977,
19.1003

■ 6.1104, 4.9637,
16.2590

■ 25.5136, 28.3424,
19.7489

■ 5.0430, 3.6776,
16.0670

■ 29.4914, 33.1350,
20.4643

■ 4.2251, 2.6920,
15.9199

■ 33.8512, 38.3879,
21.2484

■ 3.6364, 1.9826,
15.8140

■ 38.6029, 44.1130,
22.1030

■ 3.2536, 1.5213,
15.7451

■ 43.7559, 50.3217,
23.0298

■ 2.9879, 1.2011,
15.6973

■ 49.3194, 57.0249,
24.0304

Harmonies

Analogous

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



12.6977, 13.5198, 17.7133



13.2115, 13.5198, 17.5360



13.6389, 13.5198, 16.5785

Triad

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



13.2115, 13.5198, 17.5360



13.4834, 13.5198, 12.6157



11.8938, 13.5198, 14.2867

Complementary

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



13.2115, 13.5198, 17.5360



15.1134, 16.2801, 14.9164

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.



12.0924, 13.5198, 13.0072



13.2115, 13.5198, 17.5360



13.0039, 13.5198, 12.0858

Square

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



13.2115, 13.5198, 17.5360



13.7988, 13.5198, 13.7191



12.4955, 13.5198, 12.2242



11.9460, 13.5198, 15.7700

Rectangle

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



13.2115, 13.5198, 17.5360



13.8129, 13.5198, 15.6598



12.4955, 13.5198, 12.2242



11.9332, 13.5198, 13.8201

Sweetspot

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



13.2119, 13.5204, 17.5363



26.6376, 27.8004, 31.9376



14.3551, 15.8234, 17.8665



6.0851, 6.3385, 7.3725



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.



13.2119, 13.5204, 17.5363



22.5699, 22.8993, 31.2059



13.8338, 13.8407, 17.5654



3.2176, 3.3005, 4.2217



3.3813, 1.3528, 17.8045



16.8430, 6.7379, 88.6919

Inverse Universe

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



13.9600, 13.9730, 14.5324



24.2372, 23.9082, 24.5109



14.4495, 15.9381, 14.8854



3.3845, 3.4015, 3.5516



7.7250, 3.9824, 0.3620



38.4815, 19.8379, 1.8020

Previews

White Background



This preview shows how the XYZ color 13.2115, 13.5198, 17.5360 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 13.2115, 13.5198, 17.5360 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

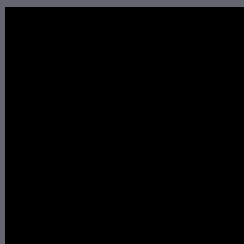
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

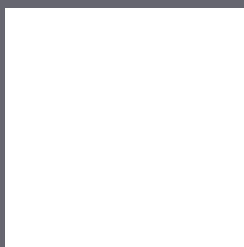
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 13.2115, 13.5198, 17.5360

Background



This preview shows how black text looks on a background with the XYZ color 13.2115, 13.5198, 17.5360.



This preview shows how white text looks on a background with the XYZ color 13.2115, 13.5198,

17.5360.

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

13.2115, 13.5198, 17.5360

Protanopia

13.2115, 13.5198, 17.5360

Deuteranopia

13.7221, 13.4947, 17.5043



Tritanopia

13.1001, 13.4752, 16.9495

Trichromacy



Original Color

13.2115, 13.5198, 17.5360

Protanomaly

13.2115, 13.5198, 17.5360

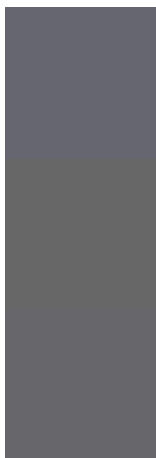
Deuteranomaly

13.5782, 13.5638, 17.5252

Tritanomaly

13.1555, 13.4974, 17.2411

Monochromacy



Original Color

13.2115, 13.5198, 17.5360

Achromatopsia

12.8919, 13.5633, 14.7705

Achromatomaly

13.0976, 13.6456, 15.8535

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.2115, 13.5198, 17.5360 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(102, 102, 113)` looks like.

```
.text, #text, p{  
    color:rgb(102, 102, 113)  
}
```

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(102, 102, 113) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 102, 113) }
```

Border

The CSS property to change the border of an element to XYZ 13.2115, 13.5198, 17.5360 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(102, 102, 113) }
```


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

```
.border{ border-color:rgb(102, 102, 113) }
```

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

Here you see how a box with a 4 pixel `rgb(102, 102, 113)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 102, 113); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 102, 113);  
box-shadow:4px 4px 4px 4px rgb(102, 102,  
113) }
```

Background

The CSS property to change the background color of an element to XYZ 13.2115, 13.5198, 17.5360 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(102, 102, 113) }
```

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

```
.background{ background-color: rgb(102,  
102, 113) }
```

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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