

Converting Colors

XYZ(11.7117, 13.0496, 17.2264)

Have a look what the booklet for
XYZ(11.7117, 13.0496, 17.2264)
contains.

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Color

**XYZ(11.7127, 13.0489,
17.2306)**

Conversions

Conversions Part 1

Format	Color
Hex	566870
RGB	86, 104, 112
RGB Percent	34%, 41%, 44%
CMY	0.6627, 0.5921, 0.5608
CMYK	0.23, 0.07, 0.00, 0.56
HSL	198°, 13%, 39%
HSV	198°, 23%, 44%
XYZ	11.7127, 13.0489, 17.2306
YIQ	99.5300, -13.2960, -1.3280

Conversions

Conversions Part 2

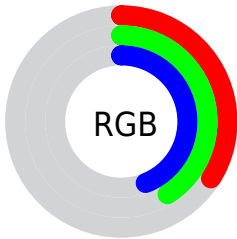
Format	Color
R_{YB}	86, 97, 112
Decimal	5662832
CIE Lab	42.84, -4.79, -6.74
CIE LCh	43, 8.267, 234.572
Yxy	13.0489, 0.2789, 0.3107
Android (android.graphics.Color)	4283852912 (0xFF566870)
YUV	99.5300, 6.1477, -11.8658
Hunter-Lab	36.1233, -5.3384, -2.9947

Details

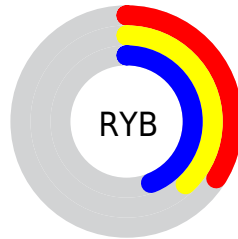
The XYZ color **11.7127, 13.0489, 17.2306** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **12.3647, 12.1221, 10.4925**, and the grayscale version is **11.9813, 12.6052, 13.7271**.

A 20% lighter version of the original color is **28.5755, 31.3573, 39.6684**, and **3.2636, 3.7475, 5.4018** is the 20% darker color. If you saturate the color by 10%, you get **10.4215, 11.8792, 17.0731**, and if you desaturate by 10%, it is **13.1804, 14.3314, 17.4010**.

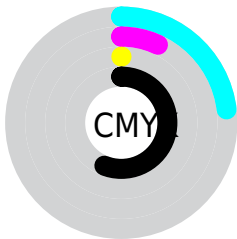
Distribution



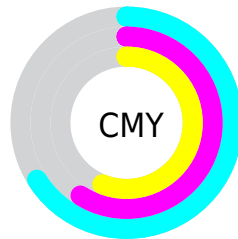
- Red (34%)
- Green (41%)
- Blue (44%)



- Red (34%)
- Yellow (38%)
- Blue (44%)



- Cyan (23%)
- Magenta (7%)
- Yellow (0%)
- Black (56%)



- Cyan (66%)
- Magenta (59%)
- Yellow (56%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 11.7127, 13.0489, 17.2306 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 11.7127, 13.0489, 17.2306 by changing the saturation by 10% instead.

■ 11.7127, 13.0489,
17.2306

■ 11.7127, 13.0489,
17.2306

196.3029,
211.2308, 248.5866

■ 6.6192, 7.4622,
10.2353

■ 28.5922, 31.3916,
39.5179

■ 3.2693, 3.7528,
5.4476

■ 41.1088, 44.9164,
55.6470

■ 1.2977, 1.5363,
2.4489

■ 56.8306, 61.8561,
75.6579

■ 0.1815, 0.3141,
0.8129

■ 76.1227, 82.5950,
99.9690

■ 0.0000, 0.0000,
0.0000

■ 99.3507, 107.5175,
128.9988

126.8798,

137.0081, 163.1660

159.0754,
171.4510, 202.8891

■ 11.7127, 13.0489,
17.2306

■ 11.7127, 13.0489,
17.2306

■ 10.4215, 11.8792,
17.0731

■ 13.1804, 14.3314,
17.4010

■ 9.2981, 10.8164,
16.9272

■ 14.8308, 15.7289,
17.5838

■ 8.3346, 9.8566,
16.7927

■ 16.6709, 17.2458,
17.7796

■ 7.5219, 8.9948,
16.6692

■ 18.7072, 18.8856,
17.9888

■ 6.8500, 8.2257,
16.5561

■ 20.9457, 20.6517,
18.2117

6.3078, 7.5432,
16.4530

23.3924, 22.5472,
18.4486

5.8799, 6.9390,
16.3589

26.0527, 24.5754,
18.6998

5.6168, 6.5541,
16.2985

28.9321, 26.7391,
18.9657

32.0356, 29.0414,
19.2465

Harmonies

Analogous

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



11.3319, 13.0489, 15.7020



11.7127, 13.0489, 17.2306



12.2882, 13.0489, 17.9542

Triad

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



11.7127, 13.0489, 17.2306



13.6496, 13.0489, 14.5392



11.9050, 13.0489, 11.2773

Complementary

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



11.7127, 13.0489, 17.2306



12.3647, 12.1221, 10.4925

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.



12.5177, 13.0489, 11.0230



11.7127, 13.0489, 17.2306



13.5387, 13.0489, 12.8120

Square

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



11.7127, 13.0489, 17.2306



13.4174, 13.0489, 16.3183



13.1190, 13.0489, 11.5614



11.4403, 13.0489, 12.2881

Rectangle

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



11.7127, 13.0489, 17.2306



12.7103, 13.0489, 17.8420



13.1190, 13.0489, 11.5614



12.0999, 13.0489, 11.1043

Sweetspot

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



11.7131, 13.0494, 17.2309



24.8636, 26.6321, 30.7598



11.6436, 14.3716, 12.7033



5.9464, 6.3755, 7.3869



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.



11.7131, 13.0494, 17.2309



19.2870, 21.7657, 30.1145



10.5209, 10.6650, 16.8335



3.3926, 3.6504, 4.2800



6.4727, 7.5356, 18.8350



31.4534, 35.9587, 93.5621

Inverse Universe

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



12.5089, 11.1001, 14.5805



20.9769, 17.7727, 24.4534



13.5989, 14.5906, 10.9039



3.4728, 3.4368, 4.0166



9.2854, 4.6066, 8.5790



45.8562, 22.7878, 40.6364

Previews

White Background



This preview shows how the XYZ color 11.7127, 13.0489, 17.2306 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 11.7127, 13.0489, 17.2306 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

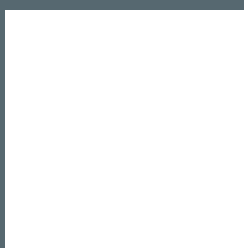
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 11.7127, 13.0489, 17.2306

Background



This preview shows how black text looks on a background with the XYZ color 11.7127, 13.0489, 17.2306.



This preview shows how white text looks on a background with the XYZ color 11.7127, 13.0489,

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

11.7127, 13.0489, 17.2306

Protanopia

12.6272, 12.9495, 16.5858

Deuteranopia

13.1740, 12.9309, 17.4243



Tritanopia

11.7127, 13.0489, 17.2306

Trichromacy



Original Color

11.7127, 13.0489, 17.2306

Protanomaly

12.2422, 12.8880, 16.8813

Deuteranomaly

12.5748, 12.9033, 17.4506

Tritanomaly

11.7127, 13.0489, 17.2306

Monochromacy



Original Color

11.7127, 13.0489, 17.2306

Achromatopsia

12.1130, 12.7438, 13.8780

Achromatomaly

11.8717, 12.7397, 14.9300

CSS Examples

Text

The CSS property to change the color of the text to XYZ 11.7127, 13.0489, 17.2306 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(86, 104, 112) looks like.

```
.text, #text, p{  
    color:rgb(86, 104, 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(86, 104, 112) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(86, 104, 112) }
```

Border

The CSS property to change the border of an element to XYZ 11.7127, 13.0489, 17.2306 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(86, 104, 112) }
```


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

```
.border{ border-color:rgb(86, 104, 112) }
```

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

Here you see how a box with a 4 pixel `rgb(86, 104, 112)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(86, 104, 112); -webkit-box-  
shadow:4px 4px 4px 4px rgb(86, 104, 112);  
box-shadow:4px 4px 4px 4px rgb(86, 104,  
112) }
```

Background

The CSS property to change the background color of an element to XYZ 11.7127, 13.0489, 17.2306 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(86, 104, 112) }
```

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

```
.background{ background-color: rgb(86, 104,  
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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