

Converting Colors

XYZ(13.4477, 16.6261, 17.6127)

Have a look what the booklet for
XYZ(13.4477, 16.6261, 17.6127)
contains.

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Color

**XYZ(13.4235, 16.5591,
17.5277)**

Conversions

Conversions Part 1

Format	Color
Hex	56786F
RGB	86, 120, 111
RGB Percent	34%, 47%, 44%
CMY	0.6627, 0.5294, 0.5647
CMYK	0.28, 0.00, 0.08, 0.53
HSL	164°, 17%, 40%
HSV	164°, 28%, 47%
XYZ	13.4235, 16.5591, 17.5277
YIQ	108.8080, -17.3750, -10.0070

Conversions

Conversions Part 2

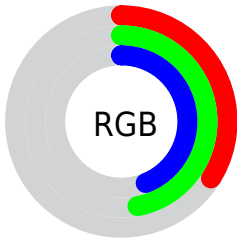
Format	Color
R_{YB}	86, 106, 120
Decimal	5666927
CIE _{Lab}	47.70, -14.18, 1.03
CIE _{LCh}	48, 14.222, 175.848
Yxy	16.5591, 0.2825, 0.3485
Android (android.graphics.Color)	4283857007 (0xFF56786F)
YUV	108.8080, 1.0807, -20.0026
Hunter-Lab	40.6929, -12.3301, 2.9469

Details

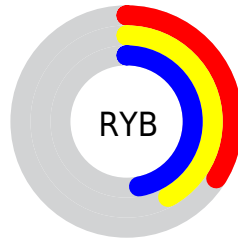
The XYZ color **13.4235, 16.5591, 17.5277** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **13.1397, 11.4753, 12.3496**, and the grayscale version is **14.4824, 15.2366, 16.5927**.

A 20% lighter version of the original color is **31.6799, 37.4678, 40.2126**, and **3.9871, 5.2967, 5.5148** is the 20% darker color. If you saturate the color by 10%, you get **12.2383, 15.9684, 16.5755**, and if you desaturate by 10%, it is **14.8014, 17.2493, 18.5221**.

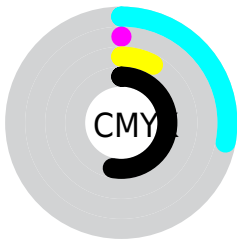
Distribution



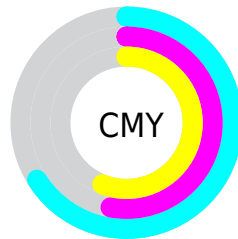
- Red (34%)
- Green (47%)
- Blue (44%)



- Red (34%)
- Yellow (42%)
- Blue (47%)



- Cyan (28%)
- Magenta (0%)
- Yellow (8%)
- Black (53%)



- Cyan (66%)
- Magenta (53%)
- Yellow (56%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.4235, 16.5591, 17.5277 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 13.4235, 16.5591, 17.5277 by changing the saturation by 10% instead.

■ 13.4235, 16.5591,
17.5277

■ 13.4235, 16.5591,
17.5277

207.1975,
232.6186, 250.3414

■ 7.7998, 9.9206,
10.4455

■ 31.6574, 37.5661,
40.0339

■ 4.0178, 5.3464,
5.5859

■ 44.9984, 52.7035,
56.2950

■ 1.7122, 2.4519,
2.5303

■ 61.6425, 71.4427,
76.4528

■ 0.4639, 0.8524,
0.8561

■ 81.9551, 94.1680,
100.9258

■ 0.0000, 0.0000,
0.0000

■ 106.3015,
121.2638, 130.1327

135.0472,

153.1146, 164.4918

168.5574,
190.1047, 204.4219

■ 13.4235, 16.5591,
17.5277

■ 13.4235, 16.5591,
17.5277

■ 12.2383, 15.9684,
16.5755

■ 14.8014, 17.2493,
18.5221

■ 11.2351, 15.4704,
15.6636

■ 16.3792, 18.0414,
19.5583

■ 10.4043, 15.0605,
14.7917

■ 18.1657, 18.9403,
20.6374

■ 9.7346, 14.7330,
13.9587

■ 20.1684, 19.9500,
21.7601

■ 9.2136, 14.4815,
13.1638

■ 22.3947, 21.0741,
22.9271

■ 8.8270, 14.2986,
12.4060

■ 24.8514, 22.3164,
24.1389

■ 8.5350, 14.1637,
11.6830

■ 27.5453, 23.6801,
25.3962

■ 8.4879, 14.1420,
11.5655

■ 30.4826, 25.1685,
26.6995

■ 33.6696, 26.7849,
28.0496

Harmonies

Analogous

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



13.8005, 16.5591, 14.3769



13.4235, 16.5591, 17.5277



13.6389, 16.5591, 21.2595

Triad

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



13.4235, 16.5591, 17.5277



16.8295, 16.5591, 25.0967



17.1522, 16.5591, 12.8326

Complementary

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



13.4235, 16.5591, 17.5277



13.1397, 11.4753, 12.3496

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.



18.0441, 16.5591, 15.1454



13.4235, 16.5591, 17.5277



17.8509, 16.5591, 22.2549

Square

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



13.4235, 16.5591, 17.5277



15.5625, 16.5591, 25.9570



18.3064, 16.5591, 18.5419



15.9167, 16.5591, 11.9076

Rectangle

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



13.4235, 16.5591, 17.5277



14.0961, 16.5591, 23.5370



18.3064, 16.5591, 18.5419



17.5047, 16.5591, 13.4570

Sweetspot

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



13.4240, 16.5598, 17.5281



28.5461, 31.5992, 34.2334



13.1230, 16.5420, 11.3057



6.6817, 7.4468, 8.0598



59.0181, 62.0916, 67.6177



7.4413, 7.8288, 8.5256

Same Dimension

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



13.4240, 16.5598, 17.5281



22.2167, 28.4293, 29.7303



13.0300, 14.9382, 19.9667



4.0639, 4.4952, 4.8704



9.2534, 15.4250, 12.5852



43.7741, 73.4327, 58.1075

Inverse Universe

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



13.1397, 11.4753, 12.3496



21.6313, 17.9332, 19.0477



13.4228, 12.6590, 10.5404



4.0379, 4.0309, 4.3970



8.7258, 4.4665, 1.8469



41.3162, 21.1828, 7.1952

Previews

White Background



This preview shows how the XYZ color 13.4235, 16.5591, 17.5277 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 13.4235, 16.5591, 17.5277 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 13.4235, 16.5591, 17.5277

Background



This preview shows how black text looks on a background with the XYZ color 13.4235, 16.5591, 17.5277.



This preview shows how white text looks on a background with the XYZ color 13.4235, 16.5591,

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

13.4235, 16.5591, 17.5277

Protanopia

15.6505, 16.3629, 16.2434

Deuteranopia

16.6177, 16.3405, 17.9010



Tritanopia

14.4290, 16.6130, 22.5248

Trichromacy



Original Color

13.4235, 16.5591, 17.5277

Protanomaly

14.6632, 16.3474, 16.5699

Deuteranomaly

15.2602, 16.2951, 17.6702

Tritanomaly

14.0725, 16.6488, 20.5610

Monochromacy



Original Color

13.4235, 16.5591, 17.5277

Achromatopsia

14.5356, 15.2926, 16.6537

Achromatomaly

14.0864, 15.7027, 17.0403

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.4235, 16.5591, 17.5277 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, 120, 111) looks like.

```
.text, #text, p{  
    color:rgb(86, 120, 111)  
}
```

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, 120, 111) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(86, 120, 111) }
```

Border

The CSS property to change the border of an element to XYZ 13.4235, 16.5591, 17.5277 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, 120, 111) }
```


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

```
.border{ border-color:rgb(86, 120, 111) }
```

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

Here you see how a box with a 4 pixel `rgb(86, 120, 111)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(86, 120, 111); -webkit-box-  
shadow:4px 4px 4px 4px rgb(86, 120, 111);  
box-shadow:4px 4px 4px 4px rgb(86, 120,  
111) }
```

Background

The CSS property to change the background color of an element to XYZ 13.4235, 16.5591, 17.5277 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(86, 120, 111) }
```

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

```
.background{ background-color: rgb(86, 120,  
111) }
```

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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