

Converting Colors

XYZ(13.5530, 17.9511, 20.8556)

Have a look what the booklet for
XYZ(13.5530, 17.9511, 20.8556)
contains.

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Color

**XYZ(13.6246, 18.0840,
20.8616)**

Conversions

Conversions Part 1

Format	Color
Hex	458079
RGB	69, 128, 121
RGB Percent	27%, 50%, 47%
CMY	0.7294, 0.4980, 0.5255
CMYK	0.46, 0.00, 0.05, 0.50
HSL	173°, 30%, 39%
HSV	173°, 46%, 50%
XYZ	13.6246, 18.0840, 20.8616
YIQ	109.5610, -32.9170, -14.6850

Conversions

Conversions Part 2

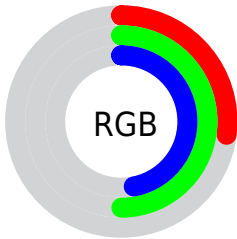
Format	Color
R _Y B	69, 100, 128
Decimal	4554873
CIE Lab	49.60, -21.07, -2.20
CIE LCh	50, 21.187, 185.958
Yxy	18.0840, 0.2592, 0.3440
Android (android.graphics.Color)	4282744953 (0xFF458079)
YUV	109.5610, 5.6394, -35.5720
Hunter-Lab	42.5253, -17.2300, 0.6818

Details

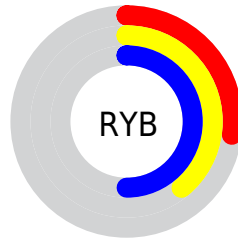
The XYZ color **13.6246, 18.0840, 20.8616** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **12.3353, 9.3678, 7.9962**, and the grayscale version is **14.6870, 15.4519, 16.8271**.

A 20% lighter version of the original color is **31.9519, 40.1298, 45.5970**, and **4.0930, 6.0154, 7.2487** is the 20% darker color. If you saturate the color by 10%, you get **12.7205, 17.6290, 20.3372**, and if you desaturate by 10%, it is **14.7272, 18.6420, 21.4037**.

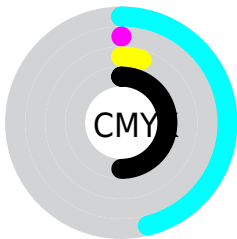
Distribution



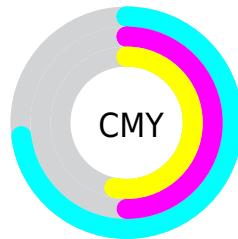
- Red (27%)
- Green (50%)
- Blue (47%)



- Red (27%)
- Yellow (39%)
- Blue (50%)



- Cyan (46%)
- Magenta (0%)
- Yellow (5%)
- Black (50%)



- Cyan (73%)
- Magenta (50%)
- Yellow (53%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.6246, 18.0840, 20.8616 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 13.6246, 18.0840, 20.8616 by changing the saturation by 10% instead.

■ 13.6246, 18.0840,
20.8616

■ 13.6246, 18.0840,
20.8616

208.4405,
241.3441, 269.2989

■ 7.9400, 11.0103,
12.8326

■ 32.0133, 40.1804,
45.7349

■ 4.1081, 6.0738,
7.1840

■ 45.4481, 55.9719,
63.4163

■ 1.7634, 2.8900,
3.4973

■ 62.1970, 75.4382,
85.1522

■ 0.4955, 1.0746,
1.3538

■ 82.6253, 98.9635,
111.3612

■ 0.0000, 0.0000,
0.1053

■ 107.0985,
126.9324, 142.4618

■ 0.0000, 0.0000,
0.0000

135.9819,

159.7292, 178.8726

169.6407,
197.7383, 221.0121

■ 13.6246, 18.0840,
20.8616

■ 13.6246, 18.0840,
20.8616

■ 12.7205, 17.6290,
20.3372

■ 14.7272, 18.6420,
21.4037

■ 12.0005, 17.2684,
19.8286

■ 16.0382, 19.3068,
21.9629

■ 11.4509, 16.9954,
19.3356

■ 17.5689, 20.0847,
22.5401

■ 11.0554, 16.8017,
18.8574

■ 19.3292, 20.9809,
23.1359

■ 10.7856, 16.6726,
18.3926

■ 21.3285, 22.0000,
23.7505

■ 10.6895, 16.6270,
18.2134

■ 23.5756, 23.1467,
24.3847

■ 26.0790, 24.4254,
25.0386

■ 28.8464, 25.8400,
25.7129

■ 31.8857, 27.3946,
26.4077

Harmonies

Analogous

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



13.8956, 18.0840, 15.5175



13.6246, 18.0840, 20.8616



14.2466, 18.0840, 26.9292

Triad

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



13.6246, 18.0840, 20.8616



19.5585, 18.0840, 30.0744



18.8110, 18.0840, 11.2148

Complementary

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



13.6246, 18.0840, 20.8616



12.3353, 9.3678, 7.9962

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.



20.5094, 18.0840, 13.8811



13.6246, 18.0840, 20.8616



20.9640, 18.0840, 24.5514

Square

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



13.6246, 18.0840, 20.8616



17.5925, 18.0840, 32.8744



21.3248, 18.0840, 18.5639



16.7903, 18.0840, 10.6076

Rectangle

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



13.6246, 18.0840, 20.8616



15.1148, 18.0840, 30.3569



21.3248, 18.0840, 18.5639



19.4433, 18.0840, 11.8706

Sweetspot

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



13.6251, 18.0847, 20.8620



31.4504, 35.6250, 39.8673



11.8437, 17.4410, 8.3728



7.2368, 8.2764, 9.2893



62.3462, 65.5931, 71.4309



8.4577, 8.8982, 9.6901

Same Dimension

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



13.6251, 18.0847, 20.8620



22.3710, 31.0252, 35.7898



11.5430, 13.2082, 22.3639



4.4252, 4.8784, 5.4101



10.5994, 16.4863, 18.0610



0.0000, 0.0000, 0.0000

Inverse Universe

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



12.3353, 9.3678, 7.9962



19.8176, 13.7187, 10.2825



13.6867, 12.4391, 7.3103



4.3469, 4.3519, 4.6314



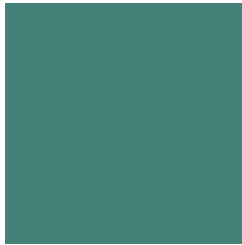
8.9142, 4.5854, 0.8720



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the XYZ color 13.6246, 18.0840, 20.8616 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 13.6246, 18.0840, 20.8616 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 13.6246, 18.0840, 20.8616

Background



This preview shows how black text looks on a background with the XYZ color 13.6246, 18.0840, 20.8616.



This preview shows how white text looks on a background with the XYZ color 13.6246, 18.0840,

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

13.6246, 18.0840, 20.8616

Protanopia

17.2015, 17.9535, 18.7784

Deuteranopia

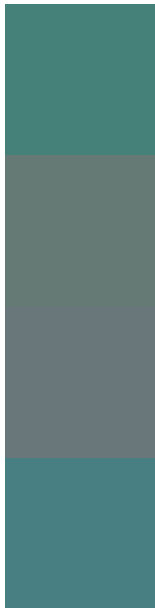
18.2596, 17.9255, 21.5664



Tritanopia

14.6524, 18.1157, 26.0170

Trichromacy



Original Color

13.6246, 18.0840, 20.8616

Protanomaly

15.4151, 17.7258, 19.4386

Deuteranomaly

15.9977, 17.6270, 21.2981

Tritanomaly

14.3586, 18.1952, 24.2280

Monochromacy



Original Color

13.6246, 18.0840, 20.8616

Achromatopsia

14.8208, 15.5926, 16.9804

Achromatomaly

14.1179, 16.3704, 18.3353

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.6246, 18.0840, 20.8616 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(69, 128, 121)` looks like.

```
.text, #text, p{  
    color:rgb(69, 128, 121)  
}
```

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(69, 128, 121) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(69, 128, 121) }
```

Border

The CSS property to change the border of an element to XYZ 13.6246, 18.0840, 20.8616 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(69, 128, 121) }
```


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

```
.border{ border-color:rgb(69, 128, 121) }
```

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

Here you see how a box with a 4 pixel `rgb(69, 128, 121)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(69, 128, 121); -webkit-box-  
shadow:4px 4px 4px 4px rgb(69, 128, 121);  
box-shadow:4px 4px 4px 4px rgb(69, 128,  
121) }
```

Background

The CSS property to change the background color of an element to XYZ 13.6246, 18.0840, 20.8616 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(69, 128, 121) }
```

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

```
.background{ background-color: rgb(69, 128,  
121) }
```

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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