

Converting Colors

XYZ(13.5234, 18.0158, 17.1869)

Have a look what the booklet for
XYZ(13.5234, 18.0158, 17.1869)
contains.

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Color

**XYZ(13.6214, 18.1622,
17.2557)**

Conversions

Conversions Part 1

Format	Color
Hex	4E806D
RGB	78, 128, 109
RGB Percent	31%, 50%, 43%
CMY	0.6941, 0.4980, 0.5725
CMYK	0.39, 0.00, 0.15, 0.50
HSL	157°, 24%, 40%
HSV	157°, 39%, 50%
XYZ	13.6214, 18.1622, 17.2557
YIQ	110.8840, -23.7010, -16.5090

Conversions

Conversions Part 2

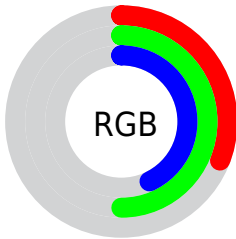
Format	Color
R_{YB}	78, 109, 128
Decimal	5144685
CIE _{Lab}	49.69, -21.50, 5.03
CIE _{LCh}	50, 22.081, 166.830
Yxy	18.1622, 0.2778, 0.3704
Android (android.graphics.Color)	4283334765 (0xFF4E806D)
YUV	110.8840, -0.9288, -28.8393
Hunter-Lab	42.6171, -17.5273, 5.8254

Details

The XYZ color **13.6214, 18.1622, 17.2557** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **13.7848, 10.9015, 12.6878**, and the grayscale version is **15.0838, 15.8693, 17.2817**.

A 20% lighter version of the original color is **31.9223, 40.2529, 39.3448**, and **4.0728, 6.0435, 5.5093** is the 20% darker color. If you saturate the color by 10%, you get **12.4185, 17.5720, 15.8703**, and if you desaturate by 10%, it is **15.0440, 18.8650, 18.7278**.

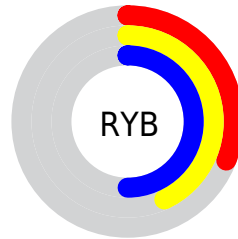
Distribution



Red (31%)

Green (50%)

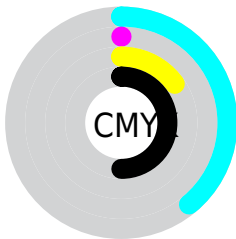
Blue (43%)



Red (31%)

Yellow (43%)

Blue (50%)

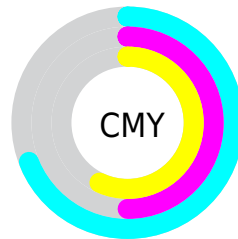


Cyan (39%)

Magenta (0%)

Yellow (15%)

Black (50%)



Cyan (69%)


Magenta (50%)


Yellow (57%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 13.6214, 18.1622, 17.2557 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 13.6214, 18.1622, 17.2557 by changing the saturation by 10% instead.


 13.6214, 18.1622,
17.2557


 13.6214, 18.1622,
17.2557


208.4207,
241.7837, 248.7353


 7.9378, 11.0665,
10.2531


 32.0076, 40.3135,
39.5615


 4.1066, 6.1116,
5.4593

 45.4409, 56.1379,
55.7019

 1.7626, 2.9130,
2.4558

 62.1882, 75.6407,
75.7252

 0.4950, 1.0865,
0.8166

 82.6147, 99.2062,
100.0500

 0.0000, 0.0000,
0.0000

 107.0859,
127.2189, 129.0949

135.9670,

160.0631, 163.2783

169.6235,
198.1232, 203.0190

■ 13.6214, 18.1622,
17.2557

■ 13.6214, 18.1622,
17.2557

■ 12.4185, 17.5720,
15.8703

■ 15.0440, 18.8650,
18.7278

■ 11.4216, 17.0858,
14.5686

■ 16.6959, 19.6838,
20.2872

■ 10.6179, 16.6977,
13.3492

■ 18.5881, 20.6247,
21.9358

■ 9.9923, 16.3998,
12.2101

■ 20.7302, 21.6927,
23.6752

■ 9.5276, 16.1832,
11.1491

■ 23.1314, 22.8925,
25.5071

■ 9.1756, 16.0232,
10.1627

■ 25.8004, 24.2285,
27.4328

■ 9.1439, 16.0088,
10.0738

■ 28.7455, 25.7051,
29.4538

■ 31.9747, 27.3263,
31.5716

■ 35.4956, 29.0960,
33.7874

Harmonies

Analogous

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



14.4816, 18.1622, 12.8711



13.6214, 18.1622, 17.2557



13.6785, 18.1622, 23.3168

Triad

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



13.6214, 18.1622, 17.2557



18.4585, 18.1622, 33.0403



20.1756, 18.1622, 12.4828

Complementary

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



13.6214, 18.1622, 17.2557



13.7848, 10.9015, 12.6878

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.



21.4238, 18.1622, 16.6123



13.6214, 18.1622, 17.2557



20.3787, 18.1622, 28.7908

Square

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



13.6214, 18.1622, 17.2557



16.3588, 18.1622, 33.3102



21.5010, 18.1622, 22.5295



18.1992, 18.1622, 10.5164

Rectangle

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



13.6214, 18.1622, 17.2557



14.2277, 18.1622, 27.5504



21.5010, 18.1622, 22.5295



20.7010, 18.1622, 13.6211

Sweetspot

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



13.6219, 18.1629, 17.2561



31.6080, 35.7550, 37.6696



14.0425, 18.5398, 10.0465



7.3180, 8.3303, 8.7484



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.



13.6219, 18.1629, 17.2561



22.0551, 31.0306, 28.1737



14.0188, 17.1390, 22.9923



4.3793, 4.8600, 5.1685



9.0671, 15.8734, 9.9920



0.0000, 0.0000, 0.0000

Inverse Universe

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



13.7848, 10.9015, 12.6878



22.3883, 16.3295, 18.9414



13.4352, 11.4546, 8.7109



4.3901, 4.3692, 4.8589



9.3700, 4.7677, 3.2720



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the XYZ color 13.6214, 18.1622, 17.2557 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 13.6214, 18.1622, 17.2557 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

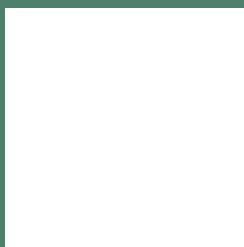
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 13.6214, 18.1622, 17.2557

Background



This preview shows how black text looks on a background with the XYZ color 13.6214, 18.1622, 17.2557.

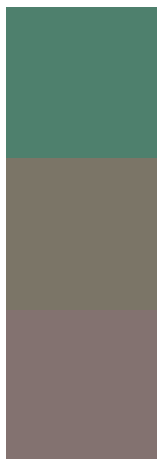


This preview shows how white text looks on a background with the XYZ color 13.6214, 18.1622,

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

13.6214, 18.1622, 17.2557

Protanopia

16.9779, 17.9128, 15.3947

Deuteranopia

18.3020, 18.0298, 17.8447



Tritanopia

15.1669, 18.0214, 25.2333

Trichromacy



Original Color

13.6214, 18.1622, 17.2557

Protanomaly

15.4506, 17.8205, 15.9900

Deuteranomaly

16.1482, 17.7861, 17.6209

Tritanomaly

14.5150, 17.9417, 22.1001

Monochromacy



Original Color

13.6214, 18.1622, 17.2557

Achromatopsia

15.1092, 15.8961, 17.3108

Achromatomaly

14.3214, 16.5010, 17.1820

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.6214, 18.1622, 17.2557 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(78, 128, 109)` looks like.

```
.text, #text, p{  
    color:rgb(78, 128, 109)  
}
```

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(78, 128, 109) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(78, 128, 109) }
```

Border

The CSS property to change the border of an element to XYZ 13.6214, 18.1622, 17.2557 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(78, 128, 109) }
```


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

```
.border{ border-color:rgb(78, 128, 109) }
```

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

Here you see how a box with a 4 pixel `rgb(78, 128, 109)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(78, 128, 109); -webkit-box-  
shadow:4px 4px 4px 4px rgb(78, 128, 109);  
box-shadow:4px 4px 4px 4px rgb(78, 128,  
109) }
```

Background

The CSS property to change the background color of an element to XYZ 13.6214, 18.1622, 17.2557 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(78, 128, 109) }
```

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

```
.background{ background-color: rgb(78, 128,  
109) }
```

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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