

Converting Colors

XYZ(13.4729, 15.8923, 14.5964)

Have a look what the booklet for
XYZ(13.4729, 15.8923, 14.5964)
contains.

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Color

**XYZ(13.5241, 15.9718,
14.6820)**

Conversions

Conversions Part 1

Format	Color
Hex	617465
RGB	97, 116, 101
RGB Percent	38%, 45%, 40%
CMY	0.6196, 0.5451, 0.6039
CMYK	0.16, 0.00, 0.13, 0.55
HSL	133°, 9%, 42%
HSV	133°, 16%, 45%
XYZ	13.5241, 15.9718, 14.6820
YIQ	108.6090, -6.5090, -8.6930

Conversions

Conversions Part 2

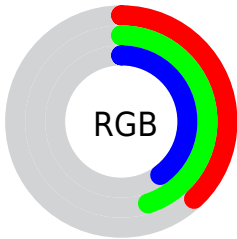
Format	Color
RYB	97, 113, 116
Decimal	6386789
CIELab	46.94, -10.25, 5.95
CIELCh	47, 11.854, 149.848
Yxy	15.9718, 0.3061, 0.3615
Android (android.graphics.Color)	4284576869 (0xFF617465)
YUV	108.6090, -3.7512, -10.1811
Hunter-Lab	39.9647, -9.5337, 6.1937

Details

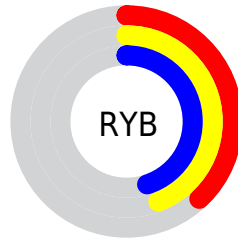
The XYZ color **13.5241, 15.9718, 14.6820** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **14.4023, 13.4325, 17.1635**, and the grayscale version is **14.4371, 15.1890, 16.5408**.

A 20% lighter version of the original color is **31.8829, 36.5682, 35.0837**, and **4.0484, 5.0787, 4.2569** is the 20% darker color. If you saturate the color by 10%, you get **11.9534, 15.2115, 12.3954**, and if you desaturate by 10%, it is **15.3265, 16.8467, 17.2412**.

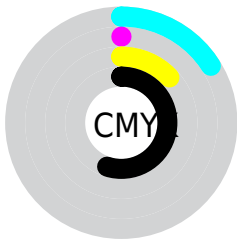
Distribution



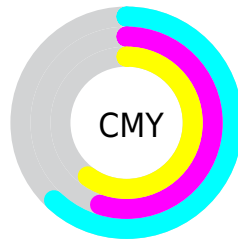
- Red (38%)
- Green (45%)
- Blue (40%)



- Red (38%)
- Yellow (44%)
- Blue (45%)



- Cyan (16%)
- Magenta (0%)
- Yellow (13%)
- Black (55%)



- Cyan (62%)
- Magenta (55%)
- Yellow (60%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.5241, 15.9718, 14.6820 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 13.5241, 15.9718, 14.6820 by changing the saturation by 10% instead.

■ 13.5241, 15.9718,
14.6820

■ 13.5241, 15.9718,
14.6820

207.8202,
229.1753, 233.0074

■ 7.8699, 9.5042,
8.4524

■ 31.8356, 36.5492,
35.0287

■ 4.0629, 5.0715,
4.2939

■ 45.2235, 51.4279,
49.9829

■ 1.7378, 2.2893,
1.7879

■ 61.9202, 69.8790,
68.6823

■ 0.4797, 0.7680,
0.4200

■ 82.2908, 92.2869,
91.5456

■ 0.0000, 0.0000,
0.0000

106.7007,
119.0361, 118.9912

135.5154,

150.5110, 151.4376

169.1001,
187.0959, 189.3035

■ 13.5241, 15.9718,
14.6820

■ 13.5241, 15.9718,
14.6820

■ 11.9534, 15.2115,
12.3954

■ 15.3265, 16.8467,
17.2412

■ 10.6036, 14.5591,
10.3713

■ 17.3682, 17.8385,
20.0805

■ 9.4650, 14.0101,
8.6007

■ 19.6580, 18.9520,
23.2084

■ 8.5268, 13.5593,
7.0735

■ 22.2040, 20.1914,
26.6328

■ 7.7770, 13.2006,
5.7791

■ 25.0137, 21.5602,
30.3611

■ 7.2025, 12.9276,
4.7059

■ 28.0946, 23.0623,
34.4006

■ 6.7883, 12.7328,
3.8415

■ 31.4536, 24.7009,
38.7584

■ 6.5047, 12.6011,
3.1716

■ 35.0975, 26.4796,
43.4413

■ 6.4150, 12.5592,
2.9735

■ 39.0330, 28.4014,
48.4558

Harmonies

Analogous

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



14.2116, 15.9718, 12.9008



13.5241, 15.9718, 14.6820



13.2763, 15.9718, 17.3755

Triad

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



13.5241, 15.9718, 14.6820



15.1754, 15.9718, 23.7353



16.9731, 15.9718, 14.7054

Complementary

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



13.5241, 15.9718, 14.6820



14.4023, 13.4325, 17.1635

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.



17.2590, 15.9718, 17.4057



13.5241, 15.9718, 14.6820



16.1929, 15.9718, 22.8172

Square

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



13.5241, 15.9718, 14.6820



14.2029, 15.9718, 22.7991



16.9674, 15.9718, 20.4133



16.2024, 15.9718, 12.9132

Rectangle

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



13.5241, 15.9718, 14.6820



13.3847, 15.9718, 19.3984



16.9674, 15.9718, 20.4133



17.1306, 15.9718, 15.5263

Sweetspot

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



13.5245, 15.9725, 14.6824



27.3667, 29.8190, 30.9042



15.1113, 16.8126, 13.7580



6.4833, 7.0917, 7.3090



57.3938, 60.3827, 65.7568



6.9614, 7.3239, 7.9757

Same Dimension

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



13.5245, 15.9725, 14.6824



22.5850, 27.4998, 24.0923



14.0065, 16.1653, 17.2202



3.6693, 4.1097, 4.0923



7.1926, 14.0911, 3.3046



34.7883, 68.5626, 14.7220

Inverse Universe

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



14.4023, 13.4325, 17.1635



24.4633, 22.0636, 29.4010



13.9108, 13.2359, 14.5750



3.7952, 3.7454, 4.4483



10.2233, 5.0230, 11.6498



49.4995, 24.3499, 55.0870

Previews

White Background



This preview shows how the XYZ color 13.5241, 15.9718, 14.6820 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 13.5241, 15.9718, 14.6820 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

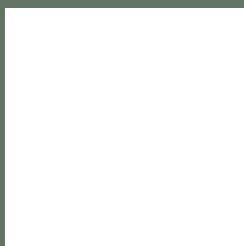
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 13.5241, 15.9718, 14.6820

Background



This preview shows how black text looks on a background with the XYZ color 13.5241, 15.9718, 14.6820.

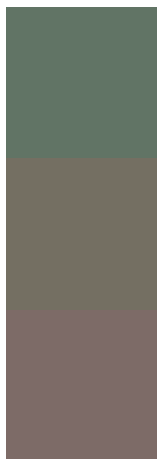


This preview shows how white text looks on a background with the XYZ color 13.5241, 15.9718,

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

13.5241, 15.9718, 14.6820

Protanopia

15.0915, 15.9637, 13.8412

Deuteranopia

16.1633, 15.8546, 15.0403



Tritanopia

14.7848, 15.9821, 20.7180

Trichromacy



Original Color

13.5241, 15.9718, 14.6820

Protanomaly

14.4639, 15.9623, 14.1231

Deuteranomaly

15.0444, 15.7560, 14.8187

Tritanomaly

14.3101, 15.9589, 18.2457

Monochromacy



Original Color

13.5241, 15.9718, 14.6820

Achromatopsia

14.5356, 15.2926, 16.6537

Achromatomaly

14.2214, 15.6322, 15.9034

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.5241, 15.9718, 14.6820 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(97, 116, 101) looks like.

```
.text, #text, p{  
    color:rgb(97, 116, 101)  
}
```

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(97, 116, 101) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(97, 116, 101) }
```

Border

The CSS property to change the border of an element to XYZ 13.5241, 15.9718, 14.6820 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(97, 116, 101) }
```


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

```
.border{ border-color:rgb(97, 116, 101) }
```

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

Here you see how a box with a 4 pixel `rgb(97, 116, 101)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(97, 116, 101); -webkit-box-  
shadow:4px 4px 4px 4px rgb(97, 116, 101);  
box-shadow:4px 4px 4px 4px rgb(97, 116,  
101) }
```

Background

The CSS property to change the background color of an element to XYZ 13.5241, 15.9718, 14.6820 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(97, 116, 101) }
```

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

```
.background{ background-color: rgb(97, 116,  
101) }
```

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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