

Converting Colors

XYZ(13.6047, 19.3006, 16.5128)

Have a look what the booklet for
XYZ(13.6047, 19.3006, 16.5128)
contains.

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Color

**XYZ(13.6524, 19.3929,
16.6593)**

Conversions

Conversions Part 1

Format	Color
Hex	46866A
RGB	70, 134, 106
RGB Percent	27%, 53%, 42%
CMY	0.7255, 0.4745, 0.5843
CMYK	0.48, 0.00, 0.21, 0.47
HSL	154°, 31%, 40%
HSV	154°, 48%, 53%
XYZ	13.6524, 19.3929, 16.6593
YIQ	111.6720, -29.1560, -22.2760

Conversions

Conversions Part 2

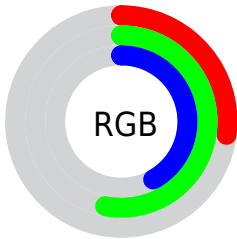
Format	Color
RYB	70, 111, 134
Decimal	4621930
CIELab	51.14, -27.56, 8.80
CIElCh	51, 28.928, 162.300
Yxy	19.3929, 0.2747, 0.3902
Android (android.graphics.Color)	4282812010 (0xFF46866A)
YUV	111.6720, -2.7963, -36.5463
Hunter-Lab	44.0374, -21.7271, 8.3968

Details

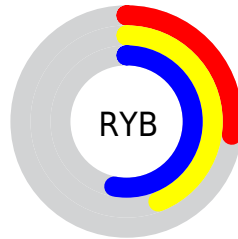
The XYZ color **13.6524, 19.3929, 16.6593** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **14.2269, 10.3310, 12.8002**, and the grayscale version is **15.3195, 16.1173, 17.5518**.

A 20% lighter version of the original color is **32.0951, 42.5383, 38.4174**, and **4.1408, 6.7498, 5.2223** is the 20% darker color. If you saturate the color by 10%, you get **12.4971, 18.8319, 15.0680**, and if you desaturate by 10%, it is **15.0453, 20.0751, 18.3714**.

Distribution



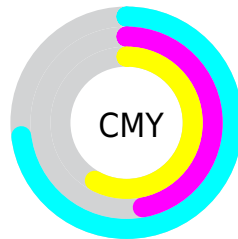
- Red (27%)
- Green (53%)
- Blue (42%)



- Red (27%)
- Yellow (44%)
- Blue (53%)



- Cyan (48%)
- Magenta (0%)
- Yellow (21%)
- Black (47%)





- Cyan (73%)
- Magenta (47%)
- Yellow (58%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 13.6524, 19.3929, 16.6593 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 13.6524, 19.3929, 16.6593 by changing the saturation by 10% instead.


 13.6524, 19.3929,
16.6593


 13.6524, 19.3929,
16.6593


208.6117,
248.6093, 245.1784


 7.9594, 11.9545,
9.8325


 32.0624, 42.3970,
38.5216


 4.1206, 6.7127,
5.1839


 45.5101, 58.7314,
54.3943


 1.7706, 3.2831,
2.2949

 62.2735, 78.8001,
74.1193

 0.4998, 1.2813,
0.7284

 82.7178, 102.9872,
98.1151

 0.0000, 0.1266,
0.0000

 107.2084,
131.6773, 126.8005

 0.0000, 0.0000,
0.0000

136.1107,

165.2548, 160.5937

169.7900,
204.1040, 199.9136

■ 13.6524, 19.3929,
16.6593

■ 13.6524, 19.3929,
16.6593

■ 12.4971, 18.8319,
15.0680

■ 15.0453, 20.0751,
18.3714

■ 11.5629, 18.3820,
13.5932

■ 16.6879, 20.8830,
20.2058

■ 10.8337, 18.0354,
12.2326


■ 18.5932, 21.8238,
22.1654


■ 10.2900, 17.7822,
10.9828


■ 20.7729, 22.9035,
24.2529

■ 9.8915, 17.6017,
9.8395


■ 23.2379, 24.1277,
26.4705

 9.8083, 17.5640,
9.5972

 25.9984, 25.5016,
28.8209

 29.0644, 27.0304,
31.3061

 32.4451, 28.7187,
33.9285

 36.1496, 30.5711,
36.6903

Harmonies

Analogous

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



14.9572, 19.3929, 11.4383



13.6524, 19.3929, 16.6593



13.5424, 19.3929, 24.6703

Triad

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



13.6524, 19.3929, 16.6593



19.6350, 19.3929, 40.6646



22.8301, 19.3929, 12.1535

Complementary

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



13.6524, 19.3929, 16.6593



14.2269, 10.3310, 12.8002

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.



24.3771, 19.3929, 17.9199



13.6524, 19.3929, 16.6593



22.4080, 19.3929, 35.1205

Square

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



13.6524, 19.3929, 16.6593



16.8025, 19.3929, 40.0700



24.2151, 19.3929, 26.3031



20.1644, 19.3929, 9.3407

Rectangle

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



13.6524, 19.3929, 16.6593



14.1441, 19.3929, 30.7535



24.2151, 19.3929, 26.3031



23.5100, 19.3929, 13.7364

Sweetspot

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



13.6529, 19.3937, 16.6597



34.0285, 39.0784, 40.2959



14.7550, 20.1346, 8.9033



7.5108, 8.7270, 8.9268



64.0503, 67.3860, 73.3833



8.9945, 9.4630, 10.3052

Same Dimension

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



13.6529, 19.3937, 16.6597



21.9277, 33.1350, 26.4143



14.9190, 19.2031, 25.4754



4.7178, 5.2454, 5.5251



9.1969, 16.4616, 9.0223



0.0355, 0.0585, 0.0506

Inverse Universe

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



14.2269, 10.3310, 12.8002



23.0671, 15.2062, 18.7982



13.3333, 10.3024, 7.0804



4.7509, 4.7200, 5.3006



9.9496, 5.0442, 4.3069



0.0380, 0.0189, 0.0337

Previews

White Background



This preview shows how the XYZ color 13.6524, 19.3929, 16.6593 looks on a white 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

Black Background



This preview shows how the XYZ color 13.6524, 19.3929, 16.6593 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 13.6524, 19.3929, 16.6593

Background



This preview shows how black text looks on a background with the XYZ color 13.6524, 19.3929, 16.6593.



This preview shows how white text looks on a background with the XYZ color 13.6524, 19.3929,

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

13.6524, 19.3929, 16.6593

Protanopia

18.0397, 19.1840, 14.8087

Deuteranopia

19.4923, 19.1667, 17.4240



Tritanopia

15.8083, 19.2562, 27.6946

Trichromacy



Original Color

13.6524, 19.3929, 16.6593

Protanomaly

15.9225, 19.0068, 15.3998

Deuteranomaly

16.6533, 18.7808, 17.2153

Tritanomaly

14.9931, 19.3276, 23.3625

Monochromacy



Original Color

13.6524, 19.3929, 16.6593

Achromatopsia

15.4009, 16.2029, 17.6450

Achromatomaly

14.4607, 17.1001, 17.2903

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.6524, 19.3929, 16.6593 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(70, 134, 106)` looks like.

```
.text, #text, p{  
    color:rgb(70, 134, 106)  
}
```

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(70, 134, 106) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(70, 134, 106) }
```

Border

The CSS property to change the border of an element to XYZ 13.6524, 19.3929, 16.6593 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(70, 134, 106) }
```


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

```
.border{ border-color:rgb(70, 134, 106) }
```

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

Here you see how a box with a 4 pixel `rgb(70, 134, 106)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(70, 134, 106); -webkit-box-  
shadow:4px 4px 4px 4px rgb(70, 134, 106);  
box-shadow:4px 4px 4px 4px rgb(70, 134,  
106) }
```

Background

The CSS property to change the background color of an element to XYZ 13.6524, 19.3929, 16.6593 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(70, 134, 106) }
```

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

```
.background{ background-color: rgb(70, 134,  
106) }
```

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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