

Converting Colors

XYZ(13.6823, 18.1175, 16.3158)

Have a look what the booklet for
XYZ(13.6823, 18.1175, 16.3158)
contains.

XYZ(13.8004, 18.2728, 16.4353)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(13.8004, 18.2728,
16.4353)**

Conversions

Conversions Part 1

Format	Color
Hex	52806A
RGB	82, 128, 106
RGB Percent	32%, 50%, 42%
CMY	0.6784, 0.4980, 0.5843
CMYK	0.36, 0.00, 0.17, 0.50
HSL	151°, 22%, 41%
HSV	151°, 36%, 50%
XYZ	13.8004, 18.2728, 16.4353
YIQ	111.7380, -20.3540, -16.5940

Conversions

Conversions Part 2

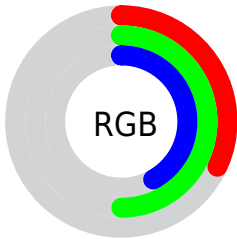
Format	Color
RYB	82, 112, 128
Decimal	5406826
CIELab	49.83, -20.93, 7.00
CIElCh	50, 22.073, 161.501
Yxy	18.2728, 0.2845, 0.3767
Android (android.graphics.Color)	4283596906 (0xFF52806A)
YUV	111.7380, -2.8288, -26.0802
Hunter-Lab	42.7467, -17.1795, 7.1268

Details

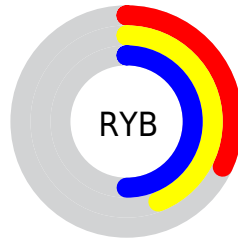
The XYZ color **13.8004, 18.2728, 16.4353** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **14.4187, 11.6238, 14.5812**, and the grayscale version is **15.3371, 16.1358, 17.5719**.

A 20% lighter version of the original color is **32.2825, 40.4686, 38.0080**, and **4.2126, 6.2311, 5.1184** is the 20% darker color. If you saturate the color by 10%, you get **12.4825, 17.6294, 14.7708**, and if you desaturate by 10%, it is **15.3498, 19.0339, 18.2301**.

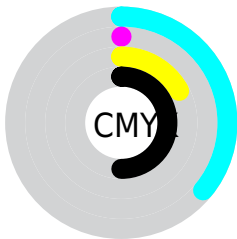
Distribution



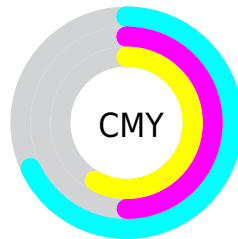
- Red (32%)
- Green (50%)
- Blue (42%)



- Red (32%)
- Yellow (44%)
- Blue (50%)



- Cyan (36%)
- Magenta (0%)
- Yellow (17%)
- Black (50%)



- Cyan (68%)
- Magenta (50%)
- Yellow (58%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.8004, 18.2728, 16.4353 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 13.8004, 18.2728, 16.4353 by changing the saturation by 10% instead.

■ 13.8004, 18.2728,
16.4353

■ 13.8004, 18.2728,
16.4353

209.5211,
242.4042, 243.8296

■ 8.0627, 11.1460,
9.6750

■ 32.3237, 40.5016,
38.1295

■ 4.1873, 6.1651,
5.0813

■ 45.8400, 56.3725,
53.9006

■ 1.8086, 2.9458,
2.2354

■ 62.6799, 75.9268,
73.5122

■ 0.5229, 1.1035,
0.6947

■ 83.2088, 99.5489,
97.3831

■ 0.0000, 0.0000,
0.0000

■ 107.7920,
127.6234, 125.9318

136.7949,

160.5345, 159.5767

170.5828,
198.6666, 198.7365

■ 13.8004, 18.2728,
16.4353

■ 13.8004, 18.2728,
16.4353

■ 12.4825, 17.6294,
14.7708

■ 15.3498, 19.0339,
18.2301

■ 11.3824, 17.0952,
13.2323

■ 17.1402, 19.9161,
20.1569

■ 10.4875, 16.6642,
11.8171

■ 19.1826, 20.9255,
22.2189

■ 9.7831, 16.3290,
10.5219

■ 21.4866, 22.0670,
24.4187

■ 9.2524, 16.0810,
9.3431

■ 24.0617, 23.3453,
26.7591

■ 8.8671, 15.9056,
8.2767

■ 26.9164, 24.7650,
29.2426

■ 8.7261, 15.8416,
7.8736

■ 30.0592, 26.3302,
31.8716

■ 33.4981, 28.0451,
34.6486

■ 37.2408, 29.9136,
37.5758

Harmonies

Analogous

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



14.8179, 18.2728, 12.4067



13.8004, 18.2728, 16.4353



13.6908, 18.2728, 22.3015

Triad

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



13.8004, 18.2728, 16.4353



18.1885, 18.2728, 33.5773



20.5838, 18.2728, 13.1524

Complementary

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



13.8004, 18.2728, 16.4353



14.4187, 11.6238, 14.5812

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.



21.6503, 18.2728, 17.6700



13.8004, 18.2728, 16.4353



20.1945, 18.2728, 29.9181

Square

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



13.8004, 18.2728, 16.4353



16.1131, 18.2728, 33.0601



21.5023, 18.2728, 23.8112



18.6859, 18.2728, 10.7928

Rectangle

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



13.8004, 18.2728, 16.4353



14.1359, 18.2728, 26.5989



21.5023, 18.2728, 23.8112



21.0581, 18.2728, 14.4258

Sweetspot

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



13.8009, 18.2736, 16.4357



31.8048, 35.8680, 37.1585



14.9789, 19.0054, 10.8619



7.3539, 8.3520, 8.6060



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.



13.8009, 18.2736, 16.4357



22.3977, 31.2433, 26.5586



14.9961, 18.5922, 23.2212



4.3624, 4.8533, 5.0796



8.6528, 15.7077, 7.8106



0.0000, 0.0000, 0.0000

Inverse Universe

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



14.4187, 11.6238, 14.5812



23.6525, 17.7441, 22.7963



13.5011, 11.3497, 9.4621



4.4067, 4.3758, 4.9463



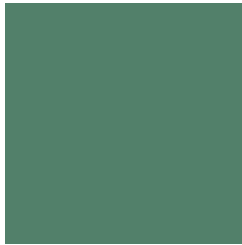
9.6689, 4.8872, 4.8460



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the XYZ color 13.8004, 18.2728, 16.4353 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 13.8004, 18.2728, 16.4353 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 13.8004, 18.2728, 16.4353

Background



This preview shows how black text looks on a background with the XYZ color 13.8004, 18.2728, 16.4353.

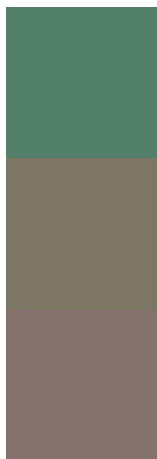


This preview shows how white text looks on a background with the XYZ color 13.8004, 18.2728,

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

13.8004, 18.2728, 16.4353

Protanopia

17.1396, 18.1815, 14.9180

Deuteranopia

18.4505, 18.1253, 16.9941



Tritanopia

15.5352, 18.2112, 25.2506

Trichromacy



Original Color

13.8004, 18.2728, 16.4353

Protanomaly

15.7144, 18.1495, 15.5069

Deuteranomaly

16.2430, 17.8538, 16.7774

Tritanomaly

14.8095, 18.1009, 21.7821

Monochromacy



Original Color

13.8004, 18.2728, 16.4353

Achromatopsia

15.4009, 16.2029, 17.6450

Achromatomaly

14.6597, 16.8494, 17.2315

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.8004, 18.2728, 16.4353 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(82, 128, 106)` looks like.

```
.text, #text, p{  
    color:rgb(82, 128, 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(82, 128, 106) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(82, 128, 106) }
```

Border

The CSS property to change the border of an element to XYZ 13.8004, 18.2728, 16.4353 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(82, 128, 106) }
```


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

```
.border{ border-color:rgb(82, 128, 106) }
```

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

Here you see how a box with a 4 pixel `rgb(82, 128, 106)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(82, 128, 106); -webkit-box-  
shadow:4px 4px 4px 4px rgb(82, 128, 106);  
box-shadow:4px 4px 4px 4px rgb(82, 128,  
106) }
```

Background

The CSS property to change the background color of an element to XYZ 13.8004, 18.2728, 16.4353 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(82, 128, 106) }
```

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

```
.background{ background-color: rgb(82, 128,  
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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