

Converting Colors

XYZ(13.7940, 21.5160, 18.4502)

Have a look what the booklet for
XYZ(13.7940, 21.5160, 18.4502)
contains.

XYZ(13.8388, 21.6078, 18.4803)	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(13.8388, 21.6078,
18.4803)**

Conversions

Conversions Part 1

Format	Color
Hex	2B906F
RGB	43, 144, 111
RGB Percent	17%, 56%, 44%
CMY	0.8314, 0.4353, 0.5647
CMYK	0.70, 0.00, 0.23, 0.44
HSL	160°, 54%, 37%
HSV	160°, 70%, 56%
XYZ	13.8388, 21.6078, 18.4803
YIQ	110.0390, -49.6030, -31.6750

Conversions

Conversions Part 2

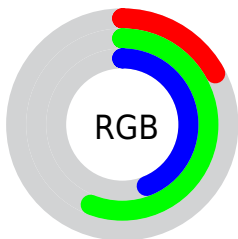
Format	Color
R_{YB}	43, 103, 144
Decimal	2855023
CIE _{Lab}	53.61, -37.00, 9.28
CIE _{LCh}	54, 38.142, 165.917
Yxy	21.6078, 0.2566, 0.4007
Android (android.graphics.Color)	4281045103 (0xFF2B906F)
YUV	110.0390, 0.4738, -58.7932
Hunter-Lab	46.4842, -28.2061, 8.9675

Details

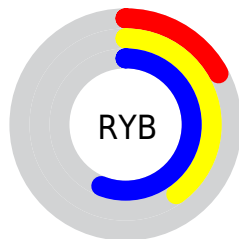
The XYZ color **13.8388, 21.6078, 18.4803** is a dark color, and the websafe version is hex **339966**. A complement of this color would be **13.6708, 8.1795, 7.6968**, and the grayscale version is **14.8417, 15.6147, 17.0044**.

A 20% lighter version of the original color is **32.5138, 46.3160, 41.8766**, and **4.8116, 8.1876, 6.0294** is the 20% darker color. If you saturate the color by 10%, you get **13.0862, 21.2495, 17.1284**, and if you desaturate by 10%, it is **14.8195, 22.0832, 19.9151**.

Distribution



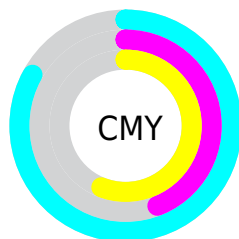
- Red (17%)
- Green (56%)
- Blue (44%)



- Red (17%)
- Yellow (40%)
- Blue (56%)



- Cyan (70%)
- Magenta (0%)
- Yellow (23%)
- Black (44%)



- Cyan (83%)
- Magenta (44%)
- Yellow (56%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.8388, 21.6078, 18.4803 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 13.8388, 21.6078, 18.4803 by changing the saturation by 10% instead.

■ 13.8388, 21.6078,
18.4803

■ 13.8388, 21.6078,
18.4803

209.7564,
260.4912, 255.8909

■ 8.0896, 13.5690,
11.1224

■ 32.3914, 46.0969,
41.6790

■ 4.2046, 7.8215,
6.0340

■ 45.9255, 63.3160,
58.3568

■ 1.8185, 3.9810,
2.7966

■ 62.7852, 84.3640,
78.9784

■ 0.5288, 1.6629,
0.9918

■ 83.3360, 109.6253,
103.9622

■ 0.0000, 0.3995,
0.0000

■ 107.9431,
139.4843, 133.7268

■ 0.0000, 0.0000,
0.0000

■ 136.9720,

174.3253, 168.6908

170.7880,
214.5328, 209.2726

■ 13.8388, 21.6078,
18.4803

■ 13.8388, 21.6078,
18.4803

■ 13.0862, 21.2495,
17.1284

■ 14.8195, 22.0832,
19.9151

■ 12.5359, 20.9934,
15.8557

■ 16.0468, 22.6836,
21.4333

■ 12.1289, 20.8094,
14.6743

■ 17.5395, 23.4191,
23.0372

■ 19.3137, 24.2982,
24.7287

■ 21.3846, 25.3285,
26.5095

■ 23.7659, 26.5171,
28.3812

■ 26.4707, 27.8708,
30.3453

■ 29.5112, 29.3958,
32.4033

■ 32.8990, 31.0982,
34.5568

Harmonies

Analogous

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



15.4094, 21.6078, 11.1178



13.8388, 21.6078, 18.4803



13.8887, 21.6078, 30.2307

Triad

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



13.8388, 21.6078, 18.4803



22.7613, 21.6078, 52.3629



26.4827, 21.6078, 10.8126

Complementary

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



13.8388, 21.6078, 18.4803



13.6708, 8.1795, 7.6968

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.



29.0280, 21.6078, 17.8961



13.8388, 21.6078, 18.4803



26.6933, 21.6078, 42.8373

Square

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



13.8388, 21.6078, 18.4803



18.6901, 21.6078, 52.6804



29.1098, 21.6078, 29.4183



22.5029, 21.6078, 7.7877

Rectangle

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



13.8388, 21.6078, 18.4803



14.8250, 21.6078, 39.2914



29.1098, 21.6078, 29.4183



27.5562, 21.6078, 12.6694

Sweetspot

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



13.8394, 21.6087, 18.4808



37.2130, 44.4212, 46.3395



13.4438, 21.6858, 5.7632



8.3208, 10.0807, 10.4477



69.3244, 72.9347, 79.4259



10.7221, 11.2805, 12.2844

Same Dimension

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



13.8394, 21.6087, 18.4808



22.4969, 37.2047, 28.9384



13.6419, 17.7499, 29.0936



5.4863, 6.0868, 6.5268



10.5728, 18.1250, 12.8365



0.1113, 0.1774, 0.1763

Inverse Universe

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



13.6708, 8.1795, 7.6968



22.2256, 11.9678, 8.8989



13.5455, 9.3187, 3.3707



5.4770, 5.4513, 6.0099



10.4735, 5.3464, 2.8786



0.1095, 0.0548, 0.0766

Previews

White Background



This preview shows how the XYZ color 13.8388, 21.6078, 18.4803 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 13.8388, 21.6078, 18.4803 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

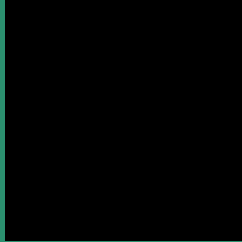
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 13.8388, 21.6078, 18.4803

Background



This preview shows how black text looks on a background with the XYZ color 13.8388, 21.6078, 18.4803.



This preview shows how white text looks on a background with the XYZ color 13.8388, 21.6078,

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

13.8388, 21.6078, 18.4803

Protanopia

20.0292, 21.3089, 15.8893

Deuteranopia

21.7369, 21.3562, 19.4995



Tritanopia

16.6011, 21.6279, 32.1538

Trichromacy



Original Color

13.8388, 21.6078, 18.4803

Protanomaly

16.4685, 20.6404, 16.7517

Deuteranomaly

17.2170, 20.5733, 18.9832

Tritanomaly

15.4901, 21.6116, 26.6476

Monochromacy



Original Color

13.8388, 21.6078, 18.4803

Achromatopsia

14.8208, 15.5926, 16.9804

Achromatomaly

13.6118, 17.0233, 17.3203

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.8388, 21.6078, 18.4803 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(43, 144, 111)` looks like.

```
.text, #text, p{  
    color:rgb(43, 144, 111)  
}
```

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(43, 144, 111) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(43, 144, 111) }
```

Border

The CSS property to change the border of an element to XYZ 13.8388, 21.6078, 18.4803 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(43, 144, 111) }
```


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

```
.border{ border-color:rgb(43, 144, 111) }
```

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

Here you see how a box with a 4 pixel `rgb(43, 144, 111)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(43, 144, 111); -webkit-box-  
shadow:4px 4px 4px 4px rgb(43, 144, 111);  
box-shadow:4px 4px 4px 4px rgb(43, 144,  
111) }
```

Background

The CSS property to change the background color of an element to XYZ 13.8388, 21.6078, 18.4803 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(43, 144, 111) }
```

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

```
.background{ background-color: rgb(43, 144,  
111) }
```

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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