

Converting Colors

XYZ(13.9281, 21.5860, 12.2259)

Have a look what the booklet for
XYZ(13.9281, 21.5860, 12.2259)
contains.

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Color

**XYZ(13.8861, 21.5458,
12.2310)**

Conversions

Conversions Part 1

Format	Color
Hex	448F56
RGB	68, 143, 86
RGB Percent	27%, 56%, 34%
CMY	0.7333, 0.4392, 0.6627
CMYK	0.52, 0.00, 0.40, 0.44
HSL	134°, 36%, 41%
HSV	134°, 52%, 56%
XYZ	13.8861, 21.5458, 12.2310
YIQ	114.0770, -26.4030, -33.6270

Conversions

Conversions Part 2

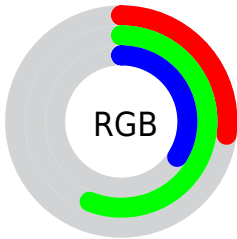
Format	Color
RYB	68, 128, 143
Decimal	4493142
CIELab	53.54, -36.41, 23.40
CIELCh	54, 43.279, 147.272
Yxy	21.5458, 0.2913, 0.4520
Android (android.graphics.Color)	4282683222 (0xFF448F56)
YUV	114.0770, -13.8420, -40.4095
Hunter-Lab	46.4175, -27.8310, 16.8693

Details

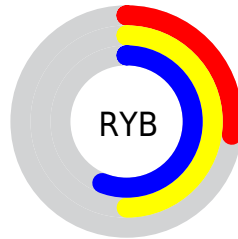
The XYZ color **13.8861, 21.5458, 12.2310** is a dark color, and the websafe version is hex **339966**. A complement of this color would be **17.0972, 11.4550, 20.7127**, and the grayscale version is **16.0637, 16.9003, 18.4044**.

A 20% lighter version of the original color is **32.2953, 45.7750, 30.4259**, and **4.2477, 7.8269, 3.2943** is the 20% darker color. If you saturate the color by 10%, you get **12.6028, 20.9316, 10.0566**, and if you desaturate by 10%, it is **15.4804, 22.3138, 14.7686**.

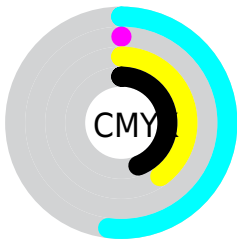
Distribution



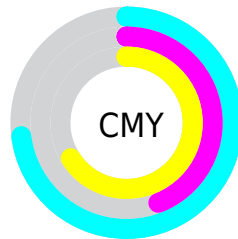
- Red (27%)
- Green (56%)
- Blue (34%)



- Red (27%)
- Yellow (50%)
- Blue (56%)



- Cyan (52%)
- Magenta (0%)
- Yellow (40%)
- Black (44%)



- Cyan (73%)
- Magenta (44%)
- Yellow (66%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.8861, 21.5458, 12.2310 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 13.8861, 21.5458, 12.2310 by changing the saturation by 10% instead.

■ 13.8861, 21.5458,
12.2310

■ 13.8861, 21.5458,
12.2310

210.0459,
260.1651, 216.9605

■ 8.1227, 13.5235,
6.7768

■ 32.4747, 45.9941,
30.5858

■ 4.2260, 7.7900,
3.2466

■ 46.0307, 63.1890,
44.3234

■ 1.8308, 3.9609,
1.2219

■ 62.9148, 84.2102,
61.6593

■ 0.5361, 1.6517,
0.0000

■ 83.4925, 109.4422,
83.0119

■ 0.0000, 0.3921,
0.0000

■ 108.1291,
139.2692, 108.7997

■ 0.0000, 0.0000,
0.0000

137.1899,

174.0758, 139.4415

171.0404,
214.2463, 175.3555

■ 13.8861, 21.5458,
12.2310

■ 13.8861, 21.5458,
12.2310

■ 12.6028, 20.9316,
10.0566

■ 15.4804, 22.3138,
14.7686

■ 11.6078, 20.4582,
8.2272

■ 17.4032, 23.2425,
17.6834

■ 10.8781, 20.1145,
6.7254

■ 19.6723, 24.3414,
20.9906

■ 10.3857, 19.8866,
5.5316

■ 22.3040, 25.6186,
24.7039

■ 10.1163, 19.7632,
4.8193

■ 25.3134, 27.0817,
28.8367

■ 28.7149, 28.7377,
33.4015

■ 32.5219, 30.5934,
38.4102

■ 36.7474, 32.6551,
43.8746

■ 41.4037, 34.9291,
49.8057

Harmonies

Analogous

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



16.6770, 21.5458, 7.3493



13.8861, 21.5458, 12.2310



12.8347, 21.5458, 22.2714

Triad

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



13.8861, 21.5458, 12.2310



20.0594, 21.5458, 59.0839



29.4181, 21.5458, 13.6382

Complementary

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



13.8861, 21.5458, 12.2310



17.0972, 11.4550, 20.7127

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.



30.6783, 21.5458, 24.6896



13.8861, 21.5458, 12.2310



24.8181, 21.5458, 54.0593

Square

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



13.8861, 21.5458, 12.2310



16.0475, 21.5458, 51.9774



28.8840, 21.5458, 40.0492



25.6585, 21.5458, 7.9212

Rectangle

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



13.8861, 21.5458, 12.2310



13.1224, 21.5458, 31.8398



28.8840, 21.5458, 40.0492



30.1706, 21.5458, 16.6964

Sweetspot

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



13.8866, 21.5467, 12.2315



38.0288, 44.9484, 41.5640



19.3973, 24.4611, 9.1681



8.5231, 10.2117, 9.2526



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.



13.8866, 21.5467, 12.2315



22.1946, 37.3052, 17.3454



15.7822, 22.3049, 22.2132



5.3927, 6.0493, 6.0336



8.9516, 17.4765, 4.2993



0.0931, 0.1701, 0.0806

Inverse Universe

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



17.0972, 11.4550, 20.7127



28.5785, 17.1676, 34.1569



15.1569, 10.6789, 10.4952



5.5717, 5.4892, 6.5084



12.4497, 6.1369, 13.2851



0.1276, 0.0621, 0.1722

Previews

White Background



This preview shows how the XYZ color 13.8861, 21.5458, 12.2310 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 13.8861, 21.5458, 12.2310 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 13.8861, 21.5458, 12.2310

Background



This preview shows how black text looks on a background with the XYZ color 13.8861, 21.5458, 12.2310.



This preview shows how white text looks on a background with the XYZ color 13.8861, 21.5458,

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

13.8861, 21.5458, 12.2310

Protanopia

19.6848, 21.2469, 10.6530

Deuteranopia

21.6104, 21.2537, 12.8609



Tritanopia

17.6379, 21.5539, 30.8345

Trichromacy



Original Color

13.8861, 21.5458, 12.2310

Protanomaly

16.7206, 20.8950, 11.1345

Deuteranomaly

17.6710, 20.7515, 12.5253

Tritanomaly

16.0762, 21.5656, 22.7173

Monochromacy



Original Color

13.8861, 21.5458, 12.2310

Achromatopsia

15.9940, 16.8269, 18.3245

Achromatomaly

14.7621, 18.2081, 15.8332

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.8861, 21.5458, 12.2310 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(68, 143, 86)` looks like.

```
.text, #text, p{  
    color:rgb(68, 143, 86)  
}
```

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(68, 143, 86) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(68, 143, 86) }
```

Border

The CSS property to change the border of an element to XYZ 13.8861, 21.5458, 12.2310 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(68, 143, 86) }
```


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

```
.border{ border-color:rgb(68, 143, 86) }
```

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

Here you see how a box with a 4 pixel rgb(68, 143, 86) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(68, 143, 86); -webkit-box-  
shadow:4px 4px 4px 4px rgb(68, 143, 86);  
box-shadow:4px 4px 4px 4px rgb(68, 143,  
86) }
```

Background

The CSS property to change the background color of an element to XYZ 13.8861, 21.5458, 12.2310 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(68, 143, 86) }
```

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

```
.background{ background-color: rgb(68, 143,  
86) }
```

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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