

Converting Colors

XYZ(13.5450, 20.0897, 20.6166)

Have a look what the booklet for
XYZ(13.5450, 20.0897, 20.6166)
contains.

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Color

**XYZ(13.5450, 20.0897,
20.6166)**

Conversions

Conversions Part 1

Format	Color
Hex	2E8A77
RGB	46, 138, 119
RGB Percent	18%, 54%, 47%
CMY	0.8196, 0.4588, 0.5333
CMYK	0.67, 0.00, 0.14, 0.46
HSL	168°, 50%, 36%
HSV	168°, 67%, 54%
XYZ	13.5450, 20.0897, 20.6166
YIQ	108.3260, -48.7330, -25.4130

Conversions

Conversions Part 2

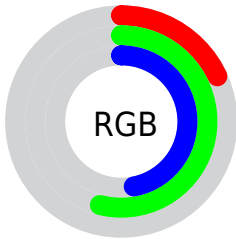
Format	Color
RYB	46, 97, 138
Decimal	3050103
CIELab	51.94, -31.67, 2.29
CIElCh	52, 31.755, 175.866
Yxy	20.0897, 0.2497, 0.3703
Android (android.graphics.Color)	4281240183 (0xFF2E8A77)
YUV	108.3260, 5.2623, -54.6599
Hunter-Lab	44.8215, -24.4953, 4.1034

Details

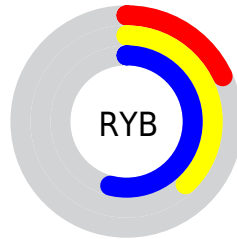
The XYZ color **13.5450, 20.0897, 20.6166** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **12.4131, 7.7395, 5.8415**, and the grayscale version is **14.3415, 15.0884, 16.4313**.

A 20% lighter version of the original color is **31.9092, 43.5826, 45.2586**, and **4.5455, 7.2713, 7.1252** is the 20% darker color. If you saturate the color by 10%, you get **12.8520, 19.7524, 19.7043**, and if you desaturate by 10%, it is **14.4442, 20.5336, 21.5662**.

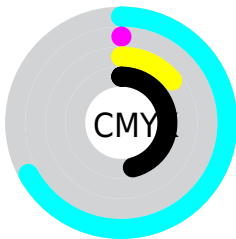
Distribution



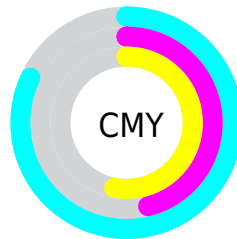
- Red (18%)
- Green (54%)
- Blue (47%)



- Red (18%)
- Yellow (38%)
- Blue (54%)



- Cyan (67%)
- Magenta (0%)
- Yellow (14%)
- Black (46%)



- Cyan (82%)
- Magenta (46%)
- Yellow (53%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.5450, 20.0897, 20.6166 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 13.5450, 20.0897, 20.6166 by changing the saturation by 10% instead.

■ 13.5450, 20.0897,
20.6166

■ 13.5450, 20.0897,
20.6166

207.9493,
252.4003, 267.9477

■ 7.8845, 12.4603,
12.6555

■ 31.8725, 43.5675,
45.3210

■ 4.0723, 7.0580,
7.0639

■ 45.2703, 60.1847,
62.9015

■ 1.7431, 3.4984,
3.4230

■ 61.9778, 80.5666,
84.5255

■ 0.4830, 1.3971,
1.3145

■ 82.3604, 105.0975,
110.6116

■ 0.0000, 0.2146,
0.0736

■ 106.7835,
134.1620, 141.5783

■ 0.0000, 0.0000,
0.0000

■ 135.6125,

168.1444, 177.8442

169.2126,
207.4290, 219.8278

■ 13.5450, 20.0897,
20.6166

■ 13.5450, 20.0897,
20.6166

■ 12.8520, 19.7524,
19.7043

■ 14.4442, 20.5336,
21.5662

■ 12.3435, 19.5092,
18.8268

■ 15.5652, 21.0909,
22.5529

■ 11.9855, 19.3429,
17.9826

■ 16.9241, 21.7701,
23.5779

■ 11.8761, 19.2925,
17.7073

■ 18.5350, 22.5787,
24.6422

■ 20.4109, 23.5233,
25.7466

■ 22.5639, 24.6100,
26.8919

■ 25.0052, 25.8449,
28.0788

■ 27.7456, 27.2332,
29.3080

■ 30.7952, 28.7804,
30.5803

Harmonies

Analogous

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



14.4007, 20.0897, 13.3332



13.5450, 20.0897, 20.6166



14.0329, 20.0897, 30.5895

Triad

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



13.5450, 20.0897, 20.6166



21.9348, 20.0897, 42.1044



22.7967, 20.0897, 10.2061

Complementary

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



13.5450, 20.0897, 20.6166



12.4131, 7.7395, 5.8415

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.



25.2472, 20.0897, 14.9949



13.5450, 20.0897, 20.6166



24.7116, 20.0897, 33.4524

Square

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



13.5450, 20.0897, 20.6166



18.6503, 20.0897, 44.8481



25.9845, 20.0897, 23.1821



19.5460, 20.0897, 8.4959

Rectangle

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



13.5450, 20.0897, 20.6166



15.0875, 20.0897, 37.2877



25.9845, 20.0897, 23.1821



23.7550, 20.0897, 11.4294

Sweetspot

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



13.5456, 20.0905, 20.6171



34.6759, 40.8070, 44.6403



11.8246, 19.5310, 5.7319



7.5981, 9.0624, 9.9069



65.7814, 69.2071, 75.3665



9.5508, 10.0482, 10.9424

Same Dimension

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



13.5456, 20.0905, 20.6171



22.1625, 34.5800, 33.9429



11.5017, 13.9903, 26.1398



5.1293, 5.6712, 6.2021



10.8936, 17.6900, 16.2624



0.0775, 0.1196, 0.1352

Inverse Universe

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



12.4131, 7.7395, 5.8415



20.0566, 11.1518, 6.1259



13.2968, 10.2446, 3.8618



5.0724, 5.0644, 5.4697



9.8122, 5.0350, 1.5152



0.0696, 0.0352, 0.0334

Previews

White Background



This preview shows how the XYZ color 13.5450, 20.0897, 20.6166 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 13.5450, 20.0897, 20.6166 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 13.5450, 20.0897, 20.6166

Background



This preview shows how black text looks on a background with the XYZ color 13.5450, 20.0897, 20.6166.

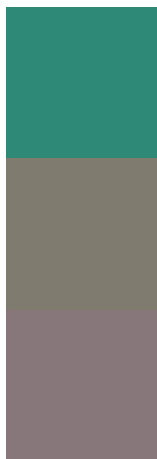


This preview shows how white text looks on a background with the XYZ color 13.5450, 20.0897,

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

13.5450, 20.0897, 20.6166

Protanopia

18.8543, 19.9028, 17.8868

Deuteranopia

20.1637, 19.7746, 21.4930



Tritanopia

15.3809, 19.9941, 29.8366

Trichromacy



Original Color

13.5450, 20.0897, 20.6166

Protanomaly

15.7934, 19.2499, 18.8028

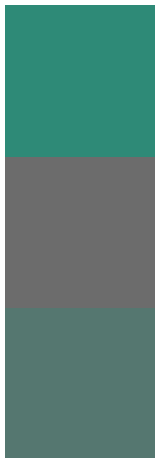
Deuteranomaly

16.5672, 19.2104, 21.2471

Tritanomaly

14.6292, 19.8898, 26.3606

Monochromacy



Original Color

13.5450, 20.0897, 20.6166

Achromatopsia

14.2537, 14.9960, 16.3306

Achromatomaly

13.2678, 16.2948, 17.7752

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.5450, 20.0897, 20.6166 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(46, 138, 119)` looks like.

```
.text, #text, p{  
    color:rgb(46, 138, 119)  
}
```

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(46, 138, 119) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(46, 138, 119) }
```

Border

The CSS property to change the border of an element to XYZ 13.5450, 20.0897, 20.6166 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(46, 138, 119) }
```


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

```
.border{ border-color:rgb(46, 138, 119) }
```

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

Here you see how a box with a 4 pixel `rgb(46, 138, 119)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(46, 138, 119); -webkit-box-  
shadow:4px 4px 4px 4px rgb(46, 138, 119);  
box-shadow:4px 4px 4px 4px rgb(46, 138,  
119) }
```

Background

The CSS property to change the background color of an element to XYZ 13.5450, 20.0897, 20.6166 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(46, 138, 119) }
```

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

```
.background{ background-color: rgb(46, 138,  
119) }
```

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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