

Converting Colors

XYZ(13.1509, 20.2087, 13.3868)

Have a look what the booklet for
XYZ(13.1509, 20.2087, 13.3868)
contains.

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Color

**XYZ(13.1510, 20.2621,
13.3431)**

Conversions

Conversions Part 1

Format	Color
Hex	3E8B5C
RGB	62, 139, 92
RGB Percent	24%, 55%, 36%
CMY	0.7569, 0.4549, 0.6392
CMYK	0.55, 0.00, 0.34, 0.45
HSL	143°, 38%, 39%
HSV	143°, 55%, 55%
XYZ	13.1510, 20.2621, 13.3431
YIQ	110.6190, -30.8050, -30.9410

Conversions

Conversions Part 2

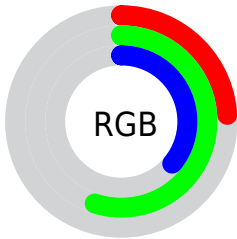
Format	Color
RYB	62, 117, 139
Decimal	4098908
CIELab	52.13, -35.06, 18.13
CIELCh	52, 39.474, 152.661
Yxy	20.2621, 0.2813, 0.4334
Android (android.graphics.Color)	4282288988 (0xFF3E8B5C)
YUV	110.6190, -9.1792, -42.6389
Hunter-Lab	45.0134, -26.6235, 13.9344

Details

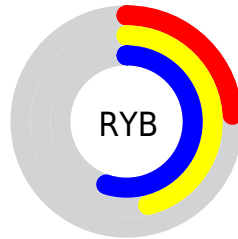
The XYZ color **13.1510, 20.2621, 13.3431** is a dark color, and the websafe version is hex **339966**. A complement of this color would be **15.1310, 10.0388, 15.6088**, and the grayscale version is **15.0316, 15.8145, 17.2220**.

A 20% lighter version of the original color is **31.2303, 43.8361, 32.8018**, and **3.9829, 7.1767, 3.7601** is the 20% darker color. If you saturate the color by 10%, you get **12.0381, 19.7294, 11.4623**, and if you desaturate by 10%, it is **14.5295, 20.9280, 15.4541**.

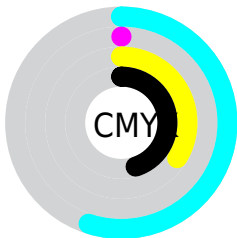
Distribution



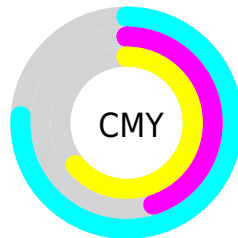
- Red (24%)
- Green (55%)
- Blue (36%)



- Red (24%)
- Yellow (46%)
- Blue (55%)



- Cyan (55%)
- Magenta (0%)
- Yellow (34%)
- Black (45%)



- Cyan (76%)
- Magenta (45%)
- Yellow (64%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.1510, 20.2621, 13.3431 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 13.1510, 20.2621, 13.3431 by changing the saturation by 10% instead.

■ 13.1510, 20.2621,
13.3431

■ 13.1510, 20.2621,
13.3431

205.5012,
253.3305, 224.3895

■ 7.6103, 12.5857,
7.5317

■ 31.1738, 43.8562,
32.6190

■ 3.8963, 7.1439,
3.7134

■ 44.3866, 60.5427,
46.9206

■ 1.6437, 3.5523,
1.4694

■ 60.8876, 81.0013,
64.8894

■ 0.4206, 1.4264,
0.1950

■ 81.0420, 105.6165,
86.9438

■ 0.0000, 0.2361,
0.0000

■ 105.2152,
134.7726, 113.5025

■ 0.0000, 0.0000,
0.0000

133.7726,

168.8540, 144.9840

167.0795,
208.2452, 181.8068

■ 13.1510, 20.2621,
13.3431

■ 13.1510, 20.2621,
13.3431

■ 12.0381, 19.7294,
11.4623

■ 14.5295, 20.9280,
15.4541

■ 11.1704, 19.3180,
9.8024

■ 16.1889, 21.7332,
17.8015

■ 10.5273, 19.0178,
8.3553

■ 18.1451, 22.6864,
20.3929

■ 10.0785, 18.8135,
7.1116

■ 20.4123, 23.7946,
23.2354

■ 9.9026, 18.7338,
6.6034

■ 23.0039, 25.0646,
26.3354

■ 25.9322, 26.5028,
29.6994

■ 29.2092, 28.1152,
33.3334

■ 32.8461, 29.9073,
37.2435

■ 36.8537, 31.8846,
41.4353

Harmonies

Analogous

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



15.3642, 20.2621, 8.1355



13.1510, 20.2621, 13.3431



12.4961, 20.2621, 23.1108

Triad

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



13.1510, 20.2621, 13.3431



19.6213, 20.2621, 52.5706



26.5641, 20.2621, 12.1044

Complementary

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



13.1510, 20.2621, 13.3431



15.1310, 10.0388, 15.6088

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.



28.1041, 20.2621, 21.0454



13.1510, 20.2621, 13.3431



23.7608, 20.2621, 46.5824

Square

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



13.1510, 20.2621, 13.3431



15.9077, 20.2621, 48.3026



27.0134, 20.2621, 33.9334



23.0497, 20.2621, 7.6160

Rectangle

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



13.1510, 20.2621, 13.3431



12.9444, 20.2621, 31.7881



27.0134, 20.2621, 33.9334



27.3504, 20.2621, 14.5546

Sweetspot

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



13.1515, 20.2629, 13.3436



35.7067, 42.1959, 40.5678



16.4691, 22.0959, 7.9545



8.0609, 9.6414, 9.1410



67.5393, 71.0566, 77.3807



10.1266, 10.6539, 11.6021

Same Dimension

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



13.1515, 20.2629, 13.3436



21.2057, 35.1631, 19.8882



15.2502, 21.1024, 24.3953



5.0473, 5.6384, 5.7699



8.9451, 16.9106, 6.0017



0.0662, 0.1151, 0.0758

Inverse Universe

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



15.1310, 10.0388, 15.6088



25.1041, 14.9621, 24.3004



13.5074, 9.3893, 7.0591



5.1527, 5.0965, 5.8923



11.0927, 5.5472, 8.2585



0.0809, 0.0397, 0.0928

Previews

White Background



This preview shows how the XYZ color 13.1510, 20.2621, 13.3431 looks on a white background.

Color Contrast Check

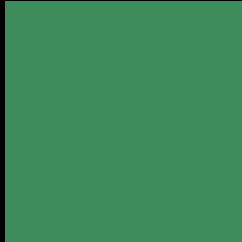
Large Text (above 18pt) WCAG AA ✓ Pass

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 13.1510, 20.2621, 13.3431 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 13.1510, 20.2621, 13.3431

Background



This preview shows how black text looks on a background with the XYZ color 13.1510, 20.2621, 13.3431.



This preview shows how white text looks on a background with the XYZ color 13.1510, 20.2621,

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

13.1510, 20.2621, 13.3431

Protanopia

18.6789, 20.1395, 11.4972

Deuteranopia

20.4315, 20.0765, 14.1075



Tritanopia

16.3259, 20.2947, 29.0434

Trichromacy



Original Color

13.1510, 20.2621, 13.3431

Protanomaly

15.7961, 19.5932, 12.1819

Deuteranomaly

16.5966, 19.3928, 13.6949

Tritanomaly

14.9006, 20.1228, 22.1675

Monochromacy



Original Color

13.1510, 20.2621, 13.3431

Achromatopsia

15.1092, 15.8961, 17.3108

Achromatomaly

13.8503, 17.0014, 15.6483

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.1510, 20.2621, 13.3431 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(62, 139, 92)` looks like.

```
.text, #text, p{  
    color:rgb(62, 139, 92)  
}
```

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(62, 139, 92) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(62, 139, 92) }
```

Border

The CSS property to change the border of an element to XYZ 13.1510, 20.2621, 13.3431 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(62, 139, 92) }
```


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

```
.border{ border-color:rgb(62, 139, 92) }
```

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

Here you see how a box with a 4 pixel `rgb(62, 139, 92)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(62, 139, 92); -webkit-box-  
shadow:4px 4px 4px 4px rgb(62, 139, 92);  
box-shadow:4px 4px 4px 4px rgb(62, 139,  
92) }
```

Background

The CSS property to change the background color of an element to XYZ 13.1510, 20.2621, 13.3431 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(62, 139, 92) }
```

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

```
.background{ background-color: rgb(62, 139,  
92) }
```

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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