

Converting Colors

XYZ(13.8860, 23.2601, 8.5832)

Have a look what the booklet for
XYZ(13.8860, 23.2601, 8.5832)
contains.

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Color

**XYZ(13.8817, 23.2396,
8.6045)**

Conversions

Conversions Part 1

Format	Color
Hex	3F9640
RGB	63, 150, 64
RGB Percent	25%, 59%, 25%
CMY	0.7529, 0.4118, 0.7490
CMYK	0.58, 0.00, 0.57, 0.41
HSL	121°, 41%, 42%
HSV	121°, 58%, 59%
XYZ	13.8817, 23.2396, 8.6045
YIQ	114.1830, -24.2460, -45.1900

Conversions

Conversions Part 2

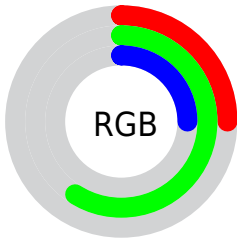
Format	Color
RYB	63, 149, 150
Decimal	4167232
CIELab	55.32, -44.09, 37.14
CIElCh	55, 57.649, 139.895
Yxy	23.2396, 0.3036, 0.5082
Android (android.graphics.Color)	4282357312 (0xFF3F9640)
YUV	114.1830, -24.7402, -44.8875
Hunter-Lab	48.2075, -32.9627, 23.1626

Details

The XYZ color **13.8817, 23.2396, 8.6045** is a dark color, and the websafe version is hex **339933**. A complement of this color would be **19.7808, 12.2095, 29.7488**, and the grayscale version is **16.1270, 16.9668, 18.4769**.

A 20% lighter version of the original color is **32.4763, 48.7995, 23.6272**, and **4.4403, 8.7644, 1.8384** is the 20% darker color. If you saturate the color by 10%, you get **12.6838, 22.6652, 6.6314**, and if you desaturate by 10%, it is **15.4539, 23.9954, 11.1818**.

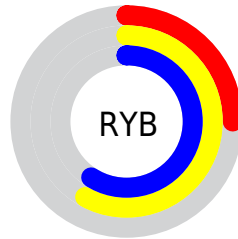
Distribution



Red (25%)

Green (59%)

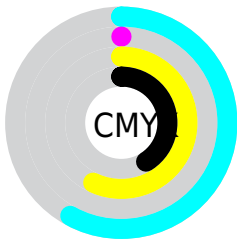
Blue (25%)



Red (25%)

Yellow (58%)

Blue (59%)

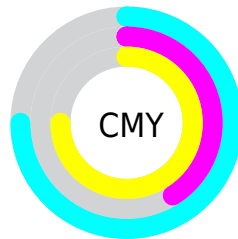


Cyan (58%)

Magenta (0%)

Yellow (57%)

Black (41%)



Cyan (75%)

Magenta (41%)

Yellow (75%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.8817, 23.2396, 8.6045 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 13.8817, 23.2396, 8.6045 by changing the saturation by 10% instead.

■ 13.8817, 23.2396,
8.6045

■ 13.8817, 23.2396,
8.6045

210.0190,
268.9532, 190.5076

■ 8.1196, 14.7705,
4.3909

■ 32.4670, 48.7865,
23.7007

■ 4.2240, 8.6585,
1.8421

■ 46.0209, 66.6330,
35.4203

■ 1.8296, 4.5191,
0.4555

■ 62.9027, 88.3742,
50.4790

■ 0.5354, 1.9680,
0.0000

■ 83.4779, 114.3944,
69.2953

■ 0.0000, 0.5888,
0.0000

■ 108.1118,
145.0780, 92.2878

■ 0.0000, 0.0000,
0.0000

137.1697,

180.8094, 119.8750

171.0170,
221.9730, 152.4754

■ 13.8817, 23.2396,
8.6045

■ 13.8817, 23.2396,
8.6045

■ 12.6838, 22.6652,
6.6314

■ 15.4539, 23.9954,
11.1818

■ 11.8278, 22.2544,
5.2119

■ 17.4263, 24.9429,
14.4053

■ 11.2783, 21.9910,
4.2898

■ 19.8241, 26.0949,
18.3152

■ 10.9700, 21.8432,
3.7727

■ 22.6704, 27.4626,
22.9478

■ 10.9162, 21.8173,
3.6854

■ 25.9862, 29.0562,
28.3371

■ 29.7915, 30.8851,
34.5147

■ 34.1049, 32.9584,
41.5106

■ 38.9443, 35.2846,
49.3531

■ 44.3265, 37.8719,
58.0691

Harmonies

Analogous

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



18.1237, 23.2396, 4.4235



13.8817, 23.2396, 8.6045



11.9740, 23.2396, 19.5594

Triad

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



13.8817, 23.2396, 8.6045



19.9792, 23.2396, 79.0023



35.9556, 23.2396, 15.0221

Complementary

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



13.8817, 23.2396, 8.6045



19.7808, 12.2095, 29.7488

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.



36.7206, 23.2396, 32.0758



13.8817, 23.2396, 8.6045



26.5931, 23.2396, 75.6914

Square

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



13.8817, 23.2396, 8.6045



15.0114, 23.2396, 63.4542



33.0222, 23.2396, 55.8518



31.0999, 23.2396, 6.6770

Rectangle

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



13.8817, 23.2396, 8.6045



11.9688, 23.2396, 31.9261



33.0222, 23.2396, 55.8518



36.7316, 23.2396, 19.6674

Sweetspot

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



13.8823, 23.2406, 8.6050



40.3694, 48.6379, 41.0863



24.3822, 28.6568, 8.9491



8.7341, 10.6768, 8.7600



71.1368, 74.8414, 81.5023



11.3376, 11.9280, 12.9896

Same Dimension

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



13.8823, 23.2406, 8.6050



21.8081, 39.7214, 10.7511



15.5845, 23.9215, 17.5689



5.7321, 6.4694, 6.2004



9.0542, 18.0945, 3.0608



0.1114, 0.2217, 0.0403

Inverse Universe

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



19.7808, 12.2095, 29.7488



33.2580, 18.2996, 51.7880



16.9835, 11.0906, 15.0186



6.0325, 5.9081, 7.2772



14.8839, 7.1586, 23.9333



0.1829, 0.0879, 0.2969

Previews

White Background



This preview shows how the XYZ color 13.8817, 23.2396, 8.6045 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 13.8817, 23.2396, 8.6045 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 13.8817, 23.2396, 8.6045

Background



This preview shows how black text looks on a background with the XYZ color 13.8817, 23.2396, 8.6045.



This preview shows how white text looks on a background with the XYZ color 13.8817, 23.2396,

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

13.8817, 23.2396, 8.6045

Protanopia

20.8690, 22.9190, 7.3269

Deuteranopia

23.1689, 22.6992, 9.1215



Tritanopia

18.8485, 23.2016, 33.1907

Trichromacy



Original Color

13.8817, 23.2396, 8.6045

Protanomaly

17.2507, 22.5045, 7.7096

Deuteranomaly

18.0259, 21.8275, 8.7319

Tritanomaly

16.3439, 22.8391, 21.3163

Monochromacy



Original Color

13.8817, 23.2396, 8.6045

Achromatopsia

15.9940, 16.8269, 18.3245

Achromatomaly

14.4200, 18.4562, 13.8687

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.8817, 23.2396, 8.6045 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(63, 150, 64)` looks like.

```
.text, #text, p{  
    color:rgb(63, 150, 64)  
}
```

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(63, 150, 64) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(63, 150, 64) }
```

Border

The CSS property to change the border of an element to XYZ 13.8817, 23.2396, 8.6045 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(63, 150, 64) }
```


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

```
.border{ border-color:rgb(63, 150, 64) }
```

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

Here you see how a box with a 4 pixel `rgb(63, 150, 64)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(63, 150, 64); -webkit-box-  
shadow:4px 4px 4px 4px rgb(63, 150, 64);  
box-shadow:4px 4px 4px 4px rgb(63, 150,  
64) }
```

Background

The CSS property to change the background color of an element to XYZ 13.8817, 23.2396, 8.6045 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(63, 150, 64) }
```

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

```
.background{ background-color: rgb(63, 150,  
64) }
```

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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