

Converting Colors

XYZ(13.6736, 23.2521, 8.0675)

Have a look what the booklet for
XYZ(13.6736, 23.2521, 8.0675)
contains.

XYZ(13.5854, 23.0996, 8.0176)	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(13.5854, 23.0996,
8.0176)**

Conversions

Conversions Part 1

Format	Color
Hex	3C963C
RGB	60, 150, 60
RGB Percent	24%, 59%, 24%
CMY	0.7647, 0.4118, 0.7647
CMYK	0.60, 0.00, 0.60, 0.41
HSL	120°, 43%, 41%
HSV	120°, 60%, 59%
XYZ	13.5854, 23.0996, 8.0176
YIQ	112.8300, -24.7500, -47.0700

Conversions

Conversions Part 2

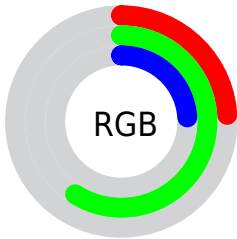
Format	Color
RYB	60, 150, 150
Decimal	3970620
CIELab	55.17, -45.36, 38.89
CIELCh	55, 59.749, 139.395
Yxy	23.0996, 0.3039, 0.5167
Android (android.graphics.Color)	4282160700 (0xFF3C963C)
YUV	112.8300, -26.0452, -46.3319
Hunter-Lab	48.0620, -33.6531, 23.7528

Details

The XYZ color **13.5854, 23.0996, 8.0176** is a dark color, and the websafe version is hex **339933**. A complement of this color would be **19.6991, 11.9180, 30.1163**, and the grayscale version is **15.7261, 16.5450, 18.0175**.

A 20% lighter version of the original color is **31.9819, 48.5703, 22.4412**, and **4.4060, 8.7507, 1.6578** is the 20% darker color. If you saturate the color by 10%, you get **12.4627, 22.5610, 6.1808**, and if you desaturate by 10%, it is **15.0785, 23.8175, 10.4596**.

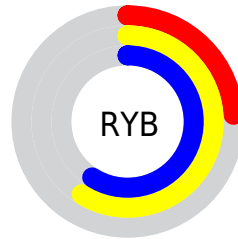
Distribution



Red (24%)

Green (59%)

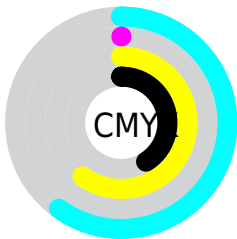
Blue (24%)



Red (24%)

Yellow (59%)

Blue (59%)

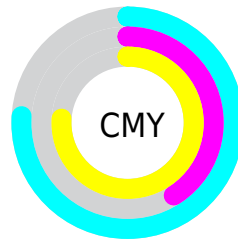


Cyan (60%)

Magenta (0%)

Yellow (60%)

Black (41%)



Cyan (76%)

Magenta (41%)

Yellow (76%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.5854, 23.0996, 8.0176 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 13.5854, 23.0996, 8.0176 by changing the saturation by 10% instead.

■ 13.5854, 23.0996,
8.0176

■ 13.5854, 23.0996,
8.0176

208.1988,
268.2361, 185.8097

■ 7.9126, 14.6671,
4.0183

■ 31.9440, 48.5568,
22.5397

■ 4.0904, 8.5861,
1.6354

■ 45.3605, 66.3503,
33.8995

■ 1.7534, 4.4722,
0.3159

■ 62.0891, 88.0329,
48.5499

■ 0.4894, 1.9410,
0.0000

■ 82.4949, 113.9890,
66.9095

■ 0.0000, 0.5729,
0.0000

■ 106.9435,
144.6029, 89.3967

■ 0.0000, 0.0000,
0.0000

■ 135.8000,

180.2592, 116.4301

169.4300,
221.3421, 148.4283

■ 13.5854, 23.0996,
8.0176

■ 13.5854, 23.0996,
8.0176

■ 12.4627, 22.5610,
6.1808

■ 15.0785, 23.8175,
10.4596

■ 11.6766, 22.1834,
4.8949

■ 16.9689, 24.7255,
13.5515

■ 11.1901, 21.9497,
4.0990

■ 19.2825, 25.8369,
17.3359

■ 10.9069, 21.8137,
3.6357

■ 22.0429, 27.1629,
21.8510

■ 25.2720, 28.7140,
27.1326

■ 28.9899, 30.4999,
33.2139

■ 33.2159, 32.5298,
40.1261

■ 37.9680, 34.8125,
47.8989

■ 43.2635, 37.3562,
56.5605

Harmonies

Analogous

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



17.9651, 23.0996, 3.9768



13.5854, 23.0996, 8.0176



11.6064, 23.0996, 18.9783

Triad

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



13.5854, 23.0996, 8.0176



19.6783, 23.0996, 81.3006



36.4143, 23.0996, 14.8177

Complementary

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



13.5854, 23.0996, 8.0176



19.6991, 11.9180, 30.1163

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.



37.1320, 23.0996, 32.5364



13.5854, 23.0996, 8.0176



26.4969, 23.0996, 78.1559

Square

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



13.5854, 23.0996, 8.0176



14.6202, 23.0996, 64.6247



33.2057, 23.0996, 57.4393



31.4073, 23.0996, 6.2994

Rectangle

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



13.5854, 23.0996, 8.0176



11.5757, 23.0996, 31.6381



33.2057, 23.0996, 57.4393



37.1988, 23.0996, 19.6183

Sweetspot

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



13.5860, 23.1006, 8.0181



39.7795, 48.3573, 40.0005



24.3007, 28.6242, 8.5192



8.5029, 10.5664, 8.3530



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.



13.5860, 23.1006, 8.0181



21.4550, 39.5551, 10.0273



15.3202, 23.7942, 17.1502



5.7296, 6.4684, 6.1871



9.0455, 18.0910, 3.0153



0.1107, 0.2214, 0.0369

Inverse Universe

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



19.6991, 11.9180, 30.1163



33.2430, 17.9917, 52.6393



16.7439, 10.7359, 14.5547



6.0353, 5.9092, 7.2922



14.9971, 7.2039, 24.5294



0.1836, 0.0882, 0.3002

Previews

White Background



This preview shows how the XYZ color 13.5854, 23.0996, 8.0176 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 13.5854, 23.0996, 8.0176 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 13.5854, 23.0996, 8.0176

Background



This preview shows how black text looks on a background with the XYZ color 13.5854, 23.0996, 8.0176.



This preview shows how white text looks on a background with the XYZ color 13.5854, 23.0996,

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

13.5854, 23.0996, 8.0176

Protanopia

20.6362, 22.6099, 6.7665

Deuteranopia

23.0447, 22.6495, 8.4674



Tritanopia

18.6720, 23.1106, 33.1824

Trichromacy



Original Color

13.5854, 23.0996, 8.0176

Protanomaly

16.8725, 22.1073, 7.1192

Deuteranomaly

17.7627, 21.7054, 8.1039

Tritanomaly

16.1271, 22.7343, 20.9909

Monochromacy



Original Color

13.5854, 23.0996, 8.0176

Achromatopsia

15.6958, 16.5132, 17.9829

Achromatomaly

14.0973, 18.1095, 13.3422

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.5854, 23.0996, 8.0176 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(60, 150, 60)` looks like.

```
.text, #text, p{  
    color:rgb(60, 150, 60)  
}
```

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(60, 150, 60) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(60, 150, 60) }
```

Border

The CSS property to change the border of an element to XYZ 13.5854, 23.0996, 8.0176 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(60, 150, 60) }
```


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

```
.border{ border-color:rgb(60, 150, 60) }
```

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

Here you see how a box with a 4 pixel `rgb(60, 150, 60)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(60, 150, 60); -webkit-box-  
shadow:4px 4px 4px 4px rgb(60, 150, 60);  
box-shadow:4px 4px 4px 4px rgb(60, 150,  
60) }
```

Background

The CSS property to change the background color of an element to XYZ 13.5854, 23.0996, 8.0176 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(60, 150, 60) }
```

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

```
.background{ background-color: rgb(60, 150,  
60) }
```

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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