

Converting Colors

XYZ(13.5242, 23.7774, 8.6813)

Have a look what the booklet for
XYZ(13.5242, 23.7774, 8.6813)
contains.

XYZ(13.5356, 23.7810, 8.7273)	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(13.5356, 23.7810,
8.7273)**

Conversions

Conversions Part 1

Format	Color
Hex	309940
RGB	48, 153, 64
RGB Percent	19%, 60%, 25%
CMY	0.8118, 0.4000, 0.7490
CMYK	0.69, 0.00, 0.58, 0.40
HSL	129°, 52%, 39%
HSV	129°, 69%, 60%
XYZ	13.5356, 23.7810, 8.7273
YIQ	111.4590, -34.0110, -49.9390

Conversions

Conversions Part 2

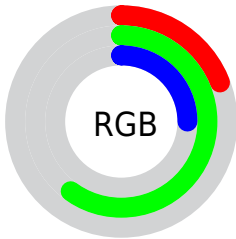
Format	Color
RYB	48, 139, 153
Decimal	3184960
CIELab	55.87, -48.67, 37.68
CIELCh	56, 61.549, 142.255
Yxy	23.7810, 0.2940, 0.5165
Android (android.graphics.Color)	4281375040 (0xFF309940)
YUV	111.4590, -23.3973, -55.6535
Hunter-Lab	48.7658, -35.7950, 23.5253

Details

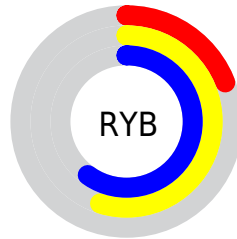
The XYZ color **13.5356, 23.7810, 8.7273** is a dark color, and the websafe version is hex **339933**. A complement of this color would be **18.7099, 10.6928, 24.7454**, and the grayscale version is **15.3167, 16.1143, 17.5485**.

A 20% lighter version of the original color is **31.7775, 49.5148, 23.8021**, and **4.7263, 9.3364, 1.9338** is the 20% darker color. If you saturate the color by 10%, you get **12.6077, 23.3411, 6.9767**, and if you desaturate by 10%, it is **14.7995, 24.3855, 10.9427**.

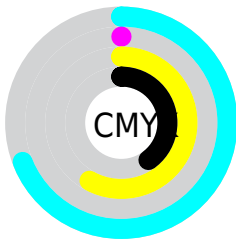
Distribution



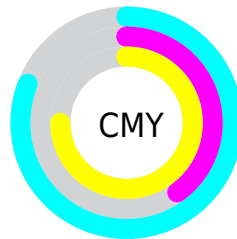
- Red (19%)
- Green (60%)
- Blue (25%)



- Red (19%)
- Yellow (55%)
- Blue (60%)



- Cyan (69%)
- Magenta (0%)
- Yellow (58%)
- Black (40%)



- Cyan (81%)
- Magenta (40%)
- Yellow (75%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.5356, 23.7810, 8.7273 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 13.5356, 23.7810, 8.7273 by changing the saturation by 10% instead.

■ 13.5356, 23.7810,
8.7273

■ 13.5356, 23.7810,
8.7273

207.8913,
271.7114, 191.4729

■ 7.8779, 15.1712,
4.4694

■ 31.8559, 49.6726,
23.9417

■ 4.0681, 8.9397,
1.8862

■ 45.2493, 67.7232,
35.7352

■ 1.7407, 4.7018,
0.4839

■ 61.9519, 89.6896,
50.8776

■ 0.4816, 2.0734,
0.0000

■ 82.3291, 115.9561,
69.7876

■ 0.0000, 0.6496,
0.0000

■ 106.7463,
146.9071, 92.8835

■ 0.0000, 0.0000,
0.0000

■ 135.5688,

182.9271, 120.5840

169.1620,
224.4004, 153.3076

■ 13.5356, 23.7810,
8.7273

■ 13.5356, 23.7810,
8.7273

■ 12.6077, 23.3411,
6.9767

■ 14.7995, 24.3855,
10.9427

■ 11.9810, 23.0466,
5.6562

■ 16.4261, 25.1658,
13.6512

■ 11.5945, 22.8675,
4.7280

■ 18.4414, 26.1353,
16.8806

■ 11.5495, 22.8465,
4.6284

■ 20.8686, 27.3056,
20.6562

■ 23.7290, 28.6869,
25.0018

■ 27.0424, 30.2892,
29.9395

■ 30.8274, 32.1215,
35.4904

■ 35.1015, 34.1924,
41.6746

■ 39.8815, 36.5102,
48.5112

Harmonies

Analogous

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



17.8749, 23.7810, 4.0835



13.5356, 23.7810, 8.7273



11.7088, 23.7810, 21.0335

Triad

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



13.5356, 23.7810, 8.7273



20.8355, 23.7810, 86.0334



37.5062, 23.7810, 13.8568

Complementary

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



13.5356, 23.7810, 8.7273



18.7099, 10.6928, 24.7454

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.



38.7542, 23.7810, 31.4497



13.5356, 23.7810, 8.7273



28.0993, 23.7810, 80.5386

Square

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



13.5356, 23.7810, 8.7273



15.3180, 23.7810, 69.9582



35.0183, 23.7810, 57.4244



31.8946, 23.7810, 5.7973

Rectangle

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



13.5356, 23.7810, 8.7273



11.8279, 23.7810, 34.9774



35.0183, 23.7810, 57.4244



38.4911, 23.7810, 18.5366

Sweetspot

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



13.5362, 23.7820, 8.7278



40.9860, 50.6443, 42.4990



22.2832, 28.3365, 7.0915



8.7628, 11.0439, 8.9485



72.9764, 76.7769, 83.6100



11.9732, 12.5967, 13.7178

Same Dimension

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



13.5362, 23.7820, 8.7278



21.9542, 41.5056, 11.2208



15.7778, 24.6786, 20.5320



6.1686, 6.9402, 6.8114



9.5535, 18.8848, 3.8693



0.1514, 0.2858, 0.1030

Inverse Universe

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



18.7099, 10.6928, 24.7454



31.7960, 16.4360, 41.5644



15.8243, 9.5386, 9.5499



6.4208, 6.3075, 7.5958



14.1798, 6.9262, 18.0037



0.2216, 0.1074, 0.3198

Previews

White Background



This preview shows how the XYZ color 13.5356, 23.7810, 8.7273 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 13.5356, 23.7810, 8.7273 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 13.5356, 23.7810, 8.7273

Background



This preview shows how black text looks on a background with the XYZ color 13.5356, 23.7810, 8.7273.



This preview shows how white text looks on a background with the XYZ color 13.5356, 23.7810,

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

13.5356, 23.7810, 8.7273

Protanopia

21.3640, 23.3764, 7.3891

Deuteranopia

23.8310, 23.4202, 9.2258



Tritanopia

18.7913, 23.8089, 34.6155

Trichromacy



Original Color

13.5356, 23.7810, 8.7273

Protanomaly

16.8758, 22.5272, 7.7337

Deuteranomaly

17.7327, 22.0906, 8.7981

Tritanomaly

16.1265, 23.3964, 22.0784

Monochromacy



Original Color

13.5356, 23.7810, 8.7273

Achromatopsia

15.1092, 15.8961, 17.3108

Achromatomaly

13.5057, 17.8046, 13.3145

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.5356, 23.7810, 8.7273 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(48, 153, 64)` looks like.

```
.text, #text, p{  
    color:rgb(48, 153, 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(48, 153, 64) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(48, 153, 64) }
```

Border

The CSS property to change the border of an element to XYZ 13.5356, 23.7810, 8.7273 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(48, 153, 64) }
```


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

```
.border{ border-color:rgb(48, 153, 64) }
```

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

Here you see how a box with a 4 pixel rgb(48, 153, 64) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(48, 153, 64); -webkit-box-  
shadow:4px 4px 4px 4px rgb(48, 153, 64);  
box-shadow:4px 4px 4px 4px rgb(48, 153,  
64) }
```

Background

The CSS property to change the background color of an element to XYZ 13.5356, 23.7810, 8.7273 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(48, 153, 64) }
```

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

```
.background{ background-color: rgb(48, 153,  
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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor