

Converting Colors

XYZ(24.9173, 38.7481, 15.6947)

Have a look what the booklet for
XYZ(24.9173, 38.7481, 15.6947)
contains.

XYZ(24.8416, 38.6639, 15.6048)	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(24.8416, 38.6639,
15.6048)**

Conversions

Conversions Part 1

Format	Color
Hex	66BA59
RGB	102, 186, 89
RGB Percent	40%, 73%, 35%
CMY	0.6000, 0.2706, 0.6510
CMYK	0.45, 0.00, 0.52, 0.27
HSL	112°, 41%, 54%
HSV	112°, 52%, 73%
XYZ	24.8416, 38.6639, 15.6048
YIQ	149.8260, -18.9270, -47.9750

Conversions

Conversions Part 2

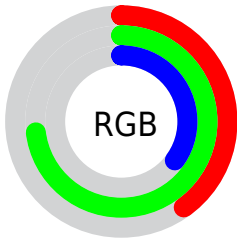
Format	Color
RYB	89, 186, 173
Decimal	6732377
CIELab	68.51, -44.57, 41.04
CIELCh	69, 60.588, 137.365
Yxy	38.6639, 0.3140, 0.4887
Android (android.graphics.Color)	4284922457 (0xFF66BA59)
YUV	149.8260, -29.9872, -41.9434
Hunter-Lab	62.1803, -37.5031, 28.6468

Details

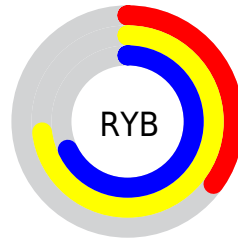
The XYZ color **24.8416, 38.6639, 15.6048** is a dark color, and the websafe version is hex **66CC66**. A complement of this color would be **29.6708, 19.5755, 48.6711**, and the grayscale version is **29.0454, 30.5580, 33.2776**.

A 20% lighter version of the original color is **50.9589, 73.2934, 36.6605**, and **9.6997, 17.2069, 4.7295** is the 20% darker color. If you saturate the color by 10%, you get **22.5058, 37.5400, 11.9209**, and if you desaturate by 10%, it is **27.7314, 40.0528, 20.3462**.

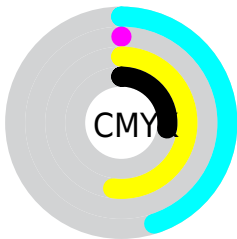
Distribution



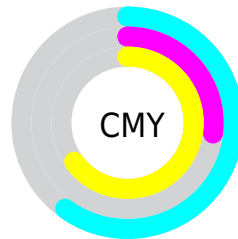
- Red (40%)
- Green (73%)
- Blue (35%)



- Red (35%)
- Yellow (73%)
- Blue (68%)



- Cyan (45%)
- Magenta (0%)
- Yellow (52%)
- Black (27%)



- Cyan (60%)
- Magenta (27%)
- Yellow (65%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 24.8416, 38.6639, 15.6048 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 24.8416, 38.6639, 15.6048 by changing the saturation by 10% instead.

■ 24.8416, 38.6639,
15.6048

■ 24.8416, 38.6639,
15.6048

269.4104,
340.4594, 238.7639

■ 16.0872, 26.4984,
9.0936

■ 50.8449, 73.1246,
36.6679

■ 9.6771, 17.1968,
4.7047

■ 68.8245, 96.1885,
52.0570

■ 5.2460, 10.3749,
2.0193

■ 90.6098, 123.6541,
71.2424

■ 2.4286, 5.6483,
0.5671

■ 116.5663,
155.9056, 94.6427

■ 0.8594, 2.6324,
0.0000

147.0592,
193.3275, 122.6765

■ 0.0000, 0.9430,
0.0000

182.4540,

■ 0.0000, 0.0000,

236.3042, 155.7622

0.0000

223.1159,
285.2200, 194.3185

■ 24.8416, 38.6639,
15.6048

■ 24.8416, 38.6639,
15.6048

■ 22.5058, 37.5400,
11.9209

■ 27.7314, 40.0528,
20.3462

■ 20.6854, 36.6597,
9.2113

■ 31.2048, 41.7172,
26.2151

■ 19.3411, 36.0057,
7.3841

■ 35.2929, 43.6726,
33.2784

■ 18.4266, 35.5567,
6.3291

■ 40.0236, 45.9321,
41.5969

■ 17.9587, 35.3251,
5.8719

■ 45.4230, 48.5080,
51.2274

■ 51.5159, 51.4120,
62.2234

■ 58.3258, 54.6549,
74.6351

■ 65.8751, 58.2474,
88.5103

■ 73.9578, 62.1086,
102.6979

Harmonies

Analogous

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



31.5431, 38.6639, 9.2356



24.8416, 38.6639, 15.6048



21.6023, 38.6639, 31.6236

Triad

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



24.8416, 38.6639, 15.6048



32.8818, 38.6639, 116.9514



57.1765, 38.6639, 28.2890

Complementary

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



24.8416, 38.6639, 15.6048



29.6708, 19.5755, 48.6711

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.



57.7040, 38.6639, 54.6632



24.8416, 38.6639, 15.6048



42.4981, 38.6639, 114.7487

Square

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



24.8416, 38.6639, 15.6048



25.6749, 38.6639, 93.7602



51.9579, 38.6639, 88.6304



50.6216, 38.6639, 14.0763

Rectangle

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



24.8416, 38.6639, 15.6048



21.3974, 38.6639, 49.1957



51.9579, 38.6639, 88.6304



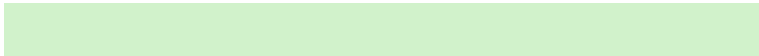
58.1005, 38.6639, 35.7188

Sweetspot

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



24.8425, 38.6655, 15.6057



68.8697, 81.4976, 68.9073



36.7027, 40.4584, 15.3266



14.7768, 17.7611, 14.4899



90.7827, 95.5105, 104.0109



18.6292, 19.5994, 21.3438

Same Dimension

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



24.8425, 38.6655, 15.6057



40.0972, 67.7054, 20.5462



25.2520, 38.6723, 24.8571



8.9993, 10.1163, 9.5852



12.1190, 23.7839, 3.9520



0.4635, 0.8571, 0.1410

Inverse Universe

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



29.6708, 19.5755, 48.6711



49.7527, 29.1743, 87.2103



29.4951, 19.8535, 32.0063



9.2594, 9.1001, 11.3479



15.9073, 7.5117, 31.8646



0.5939, 0.2819, 1.1249

Previews

White Background



This preview shows how the XYZ color 24.8416, 38.6639, 15.6048 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

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 24.8416, 38.6639, 15.6048 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 ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 24.8416, 38.6639, 15.6048

Background



This preview shows how black text looks on a background with the XYZ color 24.8416, 38.6639, 15.6048.



This preview shows how white text looks on a background with the XYZ color 24.8416, 38.6639,

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

24.8416, 38.6639, 15.6048

Protanopia

34.9264, 38.0720, 13.4905

Deuteranopia

38.6953, 37.8548, 16.3336



Tritanopia

32.4004, 38.3990, 53.8482

Trichromacy



Original Color

24.8416, 38.6639, 15.6048



Protanomaly

29.9097, 37.4130, 14.2394



Deuteranomaly

31.7043, 36.9026, 15.8078



Tritanomaly

28.8093, 38.1175, 35.9760

Monochromacy



Original Color

24.8416, 38.6639, 15.6048



Achromatopsia

28.9890, 30.4987, 33.2131



Achromatomaly

26.6663, 32.7394, 25.3360

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.8416, 38.6639, 15.6048 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(102, 186, 89)` looks like.

```
.text, #text, p{  
    color:rgb(102, 186, 89)  
}
```

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(102, 186, 89) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 186, 89) }
```

Border

The CSS property to change the border of an element to XYZ 24.8416, 38.6639, 15.6048 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(102, 186, 89) }
```


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

```
.border{ border-color:rgb(102, 186, 89) }
```

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

Here you see how a box with a 4 pixel `rgb(102, 186, 89)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 186, 89); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 186, 89);  
box-shadow:4px 4px 4px 4px rgb(102, 186,  
89) }
```

Background

The CSS property to change the background color of an element to XYZ 24.8416, 38.6639, 15.6048 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(102, 186, 89) }
```

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

```
.background{ background-color: rgb(102,  
186, 89) }
```

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