

Converting Colors

XYZ(24.7589, 38.1771, 8.7443)

Have a look what the booklet for
XYZ(24.7589, 38.1771, 8.7443)
contains.

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Color

**XYZ(24.7238, 38.1311,
8.7463)**

Conversions

Conversions Part 1

Format	Color
Hex	73B82F
RGB	115, 184, 47
RGB Percent	45%, 72%, 18%
CMY	0.5490, 0.2784, 0.8157
CMYK	0.38, 0.00, 0.74, 0.28
HSL	90°, 59%, 45%
HSV	90°, 74%, 72%
XYZ	24.7238, 38.1311, 8.7463
YIQ	147.7510, 2.8530, -57.2350

Conversions

Conversions Part 2

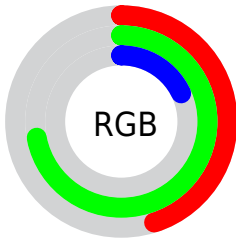
Format	Color
RYB	47, 184, 116
Decimal	7583791
CIELab	68.12, -43.40, 58.73
CIELCh	68, 73.029, 126.461
Yxy	38.1311, 0.3453, 0.5325
Android (android.graphics.Color)	4285773871 (0xFF73B82F)
YUV	147.7510, -49.6702, -28.7226
Hunter-Lab	61.7504, -36.5948, 34.8275

Details

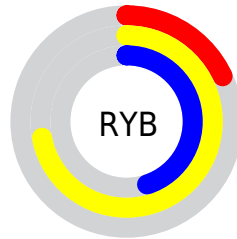
The XYZ color **24.7238, 38.1311, 8.7463** is a dark color, and the websafe version is hex **99CC33**. A complement of this color would be **16.8727, 9.2080, 46.2377**, and the grayscale version is **28.2451, 29.7161, 32.3608**.

A 20% lighter version of the original color is **50.8668, 72.6406, 23.9104**, and **9.7276, 16.8648, 2.7425** is the 20% darker color. If you saturate the color by 10%, you get **23.2702, 37.4172, 7.1327**, and if you desaturate by 10%, it is **26.4582, 38.9741, 11.1911**.

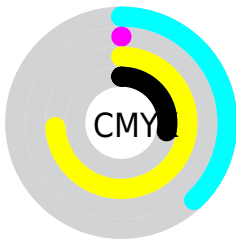
Distribution



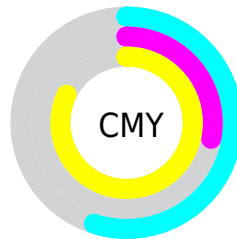
- Red (45%)
- Green (72%)
- Blue (18%)



- Red (18%)
- Yellow (72%)
- Blue (45%)



- Cyan (38%)
- Magenta (0%)
- Yellow (74%)
- Black (28%)



- Cyan (55%)
- Magenta (28%)
- Yellow (82%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 24.7238, 38.1311, 8.7463 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 24.7238, 38.1311, 8.7463 by changing the saturation by 10% instead.

■ 24.7238, 38.1311,
8.7463

■ 24.7238, 38.1311,
8.7463

■ 268.8327,
338.1820, 191.6217

■ 15.9990, 26.0845,
4.4815

■ 50.6549, 72.3090,
23.9789

■ 9.6143, 16.8868,
1.8931

■ 68.5920, 95.2091,
35.7838

■ 5.2043, 10.1538,
0.4883

■ 90.3305, 122.4958,
50.9392

■ 2.4036, 5.5011,
0.0000

■ 116.2359,
154.5535, 69.8635

■ 0.8469, 2.5442,
0.0000

■ 146.6734,
191.7665, 92.9754

■ 0.0000, 0.8987,
0.0000

■ 182.0085,

■ 0.0000, 0.0000,

234.5194, 120.6934

0.0000

222.6065,
283.1964, 153.4360

■ 24.7238, 38.1311,
8.7463

■ 24.7238, 38.1311,
8.7463

■ 23.2702, 37.4172,
7.1327

■ 26.4582, 38.9741,
11.1911

■ 22.0700, 36.8170,
6.2362

■ 28.4916, 39.9500,
14.5572

■ 21.4877, 36.5233,
5.9172

■ 30.8436, 41.0682,
18.9255

■ 33.5308, 42.3359,
24.3675

■ 36.5686, 43.7594,
30.9480

■ 39.9713, 45.3449,
38.7269

■ 43.7524, 47.0981,
47.7598

■ 47.9244, 49.0244,
58.0987

■ 52.4995, 51.1288,
69.7928

Harmonies

Analogous

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



33.8338, 38.1311, 5.1790



24.7238, 38.1311, 8.7463



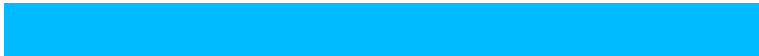
19.6444, 38.1311, 21.1693

Triad

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



24.7238, 38.1311, 8.7463



28.1809, 38.1311, 129.6471



62.6487, 38.1311, 34.8535

Complementary

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



24.7238, 38.1311, 8.7463



16.8727, 9.2080, 46.2377

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.



60.2553, 38.1311, 71.9422



24.7238, 38.1311, 8.7463



38.7628, 38.1311, 140.2216

Square

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



24.7238, 38.1311, 8.7463



21.3285, 38.1311, 91.0560



50.8767, 38.1311, 115.1474



56.8629, 38.1311, 14.2871

Rectangle

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



24.7238, 38.1311, 8.7463



18.4843, 38.1311, 37.7654



50.8767, 38.1311, 115.1474



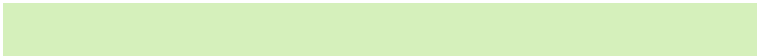
62.7890, 38.1311, 45.5120

Sweetspot

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



24.7247, 38.1328, 8.7471



67.5186, 79.8969, 58.8577



26.4698, 22.7730, 5.6904



14.2155, 17.0653, 11.9276



88.6918, 93.3107, 101.6153



17.8044, 18.7317, 20.3988

Same Dimension

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



24.7247, 38.1328, 8.7471



40.8167, 67.1454, 11.8080



18.8271, 35.0924, 8.4711



9.3035, 10.2731, 9.5995



14.8899, 25.2123, 4.0817



0.5963, 0.9256, 0.1472

Inverse Universe

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



16.8727, 9.2080, 46.2377



25.8641, 12.0822, 83.1735



29.4370, 15.6852, 46.8257



8.9406, 8.9357, 11.3330



9.1332, 4.0196, 31.5475



0.3933, 0.1785, 1.1155

Previews

White Background



This preview shows how the XYZ color 24.7238, 38.1311, 8.7463 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 24.7238, 38.1311, 8.7463 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 24.7238, 38.1311, 8.7463

Background



This preview shows how black text looks on a background with the XYZ color 24.7238, 38.1311, 8.7463.



This preview shows how white text looks on a background with the XYZ color 24.7238, 38.1311,

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

24.7238, 38.1311, 8.7463

Protanopia

34.3038, 37.8787, 7.6938

Deuteranopia

38.2743, 37.5412, 9.2319



Tritanopia

33.3410, 38.0762, 51.4911

Trichromacy



Original Color

24.7238, 38.1311, 8.7463

Protanomaly

29.8954, 37.5426, 8.0537

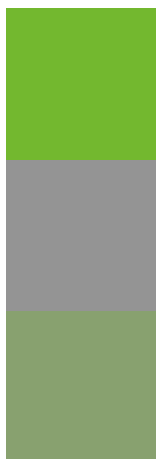
Deuteranomaly

31.7182, 36.7880, 8.9191

Tritanomaly

28.6509, 37.3120, 28.6135

Monochromacy



Original Color

24.7238, 38.1311, 8.7463

Achromatopsia

28.1479, 29.6138, 32.2495

Achromatomaly

25.7675, 31.8717, 19.8327

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.7238, 38.1311, 8.7463 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(115, 184, 47)` looks like.

```
.text, #text, p{  
    color:rgb(115, 184, 47)  
}
```

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(115, 184, 47) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(115, 184, 47) }
```

Border

The CSS property to change the border of an element to XYZ 24.7238, 38.1311, 8.7463 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(115, 184, 47) }
```


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

```
.border{ border-color:rgb(115, 184, 47) }
```

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

Here you see how a box with a 4 pixel rgb(115, 184, 47) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(115, 184, 47); -webkit-box-  
shadow:4px 4px 4px 4px rgb(115, 184, 47);  
box-shadow:4px 4px 4px 4px rgb(115, 184,  
47) }
```

Background

The CSS property to change the background color of an element to XYZ 24.7238, 38.1311, 8.7463 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(115, 184, 47) }
```

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

```
.background{ background-color: rgb(115,  
184, 47) }
```

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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