

Converting Colors

XYZ(30.8280, 45.8812, 9.5014)

Have a look what the booklet for
XYZ(30.8280, 45.8812, 9.5014)
contains.

XYZ(30.7835, 45.7968, 9.5027)	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(30.7835, 45.7968,
9.5027)**

Conversions

Conversions Part 1

Format	Color
Hex	88C62B
RGB	136, 198, 43
RGB Percent	53%, 78%, 17%
CMY	0.4667, 0.2235, 0.8313
CMYK	0.31, 0.00, 0.78, 0.22
HSL	84°, 64%, 47%
HSV	84°, 78%, 78%
XYZ	30.7835, 45.7968, 9.5027
YIQ	161.7920, 12.8030, -61.3490

Conversions

Conversions Part 2

Format	Color
RYB	43, 198, 105
Decimal	8963627
CIELab	73.41, -42.03, 65.45
CIELCh	73, 77.782, 122.710
Yxy	45.7968, 0.3576, 0.5320
Android (android.graphics.Color)	4287153707 (0xFF88C62B)
YUV	161.7920, -58.5645, -22.6196
Hunter-Lab	67.6733, -37.2316, 39.0458

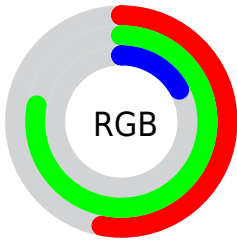
Details

The XYZ color **30.7835, 45.7968, 9.5027** is a dark color, and the websafe version is hex **99CC33**.

The color can be described as dark muted chartreuse. A complement of this color would be **16.8846, 8.8096, 54.2391**, and the grayscale version is **34.5078, 36.3049, 39.5361**.

A 20% lighter version of the original color is **60.3571, 83.9289, 25.3307**, and **13.1977, 21.6088, 3.4753** is the 20% darker color. If you saturate the color by 10%, you get **29.2658, 45.0481, 7.9742**, and if you desaturate by 10%, it is **32.5746, 46.6690, 11.9656**.

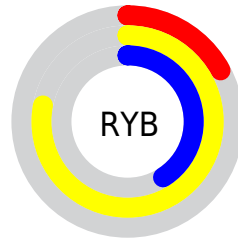
Distribution



Red (53%)

Green (78%)

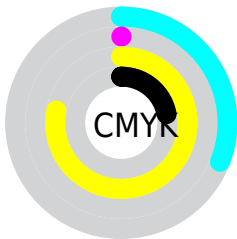
Blue (17%)



Red (17%)

Yellow (78%)

Blue (41%)

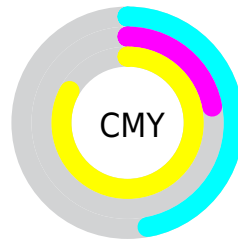


Cyan (31%)

Magenta (0%)

Yellow (78%)

Black (22%)



Cyan (47%)


Magenta (22%)


Yellow (83%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 30.7835, 45.7968, 9.5027 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 30.7835, 45.7968, 9.5027 by changing the saturation by 10% instead.


 30.7835, 45.7968,
9.5027


 30.7835, 45.7968,
9.5027


297.3844,
369.9911, 197.4391


 20.5851, 32.0855,
4.9692


 60.2772, 83.9148,
25.4489

 12.9318, 21.4268,
2.1708


 80.3032, 109.0903,
37.6986

 7.4583, 13.4363,
0.6574


 104.3358,
138.8560, 53.3576

 3.7992, 7.7297,
0.0000

 132.7402,
173.5963, 72.8443

 1.5892, 3.9225,
0.0000

 165.8820,
213.6955, 96.5772

 0.3853, 1.6303,
0.0000

 204.1263,

 0.0000, 0.3779,

259.5382, 124.9750

0.0000

247.8387,
311.5086, 158.4561

■ 0.0000, 0.0000,
0.0000

■ 30.7835, 45.7968,
9.5027

■ 30.7835, 45.7968,
9.5027

■ 29.2658, 45.0481,
7.9742

■ 32.5746, 46.6690,
11.9656

■ 27.9814, 44.4020,
7.1935

■ 34.6606, 47.6687,
15.4786

■ 27.7748, 44.2976,
7.0864

■ 37.0634, 48.8067,
20.1439

■ 39.8019, 50.0905,
26.0508

■ 42.8933, 51.5274,
33.2797

■ 46.3533, 53.1238,
41.9044

■ 50.1964, 54.8857,
51.9931

■ 54.4366, 56.8188,
63.6096

■ 59.0868, 58.9287,
76.8139

Harmonies

Analogous

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



42.2943, 45.7968, 6.0852



30.7835, 45.7968, 9.5027



24.0567, 45.7968, 22.6469

Triad

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



30.7835, 45.7968, 9.5027



32.5286, 45.7968, 151.5142



75.5174, 45.7968, 46.3809

Complementary

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



30.7835, 45.7968, 9.5027



16.8846, 8.8096, 54.2391

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.



71.4018, 45.7968, 93.0943



30.7835, 45.7968, 9.5027



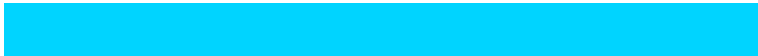
44.7864, 45.7968, 169.6393

Square

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



30.7835, 45.7968, 9.5027



24.9057, 45.7968, 102.7836



59.3799, 45.7968, 144.1506



69.6827, 45.7968, 19.1877

Rectangle

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



30.7835, 45.7968, 9.5027



22.2708, 45.7968, 40.8874



59.3799, 45.7968, 144.1506



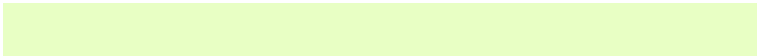
75.2527, 45.7968, 60.0689

Sweetspot

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



30.7846, 45.7988, 9.5037



78.8926, 92.6001, 66.1492



28.7782, 22.2851, 5.0708



16.4154, 19.6027, 12.9979



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



30.7846, 45.7988, 9.5037



50.1686, 78.9377, 13.0556



22.4057, 41.4794, 9.1116



11.0975, 12.1972, 11.3322



18.1605, 28.8574, 4.6129



0.9400, 1.4077, 0.2222

Inverse Universe

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



16.8846, 8.8096, 54.2391



24.8043, 10.9619, 95.4163



30.4684, 15.8123, 54.8749



10.4515, 10.4910, 13.3916



8.8277, 3.7851, 35.0097



0.4994, 0.2212, 1.6615

Previews

White Background



This preview shows how the XYZ color 30.7835, 45.7968, 9.5027 looks on a white background.

Color Contrast Check

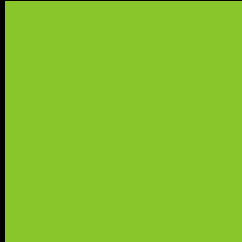
Large Text (above 18pt) WCAG AA × Fail

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 30.7835, 45.7968, 9.5027 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 30.7835, 45.7968, 9.5027

Background



This preview shows how black text looks on a background with the XYZ color 30.7835, 45.7968, 9.5027.



This preview shows how white text looks on a background with the XYZ color 30.7835, 45.7968,

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

30.7835, 45.7968, 9.5027

Protanopia

41.0282, 45.3390, 8.4226

Deuteranopia

46.1399, 45.0425, 10.0036



Tritanopia

40.9669, 45.3731, 60.6315

Trichromacy



Original Color

30.7835, 45.7968, 9.5027

Protanomaly

36.5134, 45.1588, 8.7995

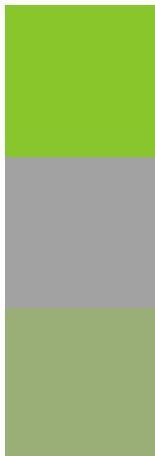
Deuteranomaly

38.9111, 44.2190, 9.6163

Tritanomaly

35.2928, 44.6441, 32.3482

Monochromacy



Original Color

30.7835, 45.7968, 9.5027

Achromatopsia

34.3422, 36.1307, 39.3463

Achromatomaly

31.7966, 38.7642, 23.2591

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.7835, 45.7968, 9.5027 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(136, 198, 43)` looks like.

```
.text, #text, p{  
    color:rgb(136, 198, 43)  
}
```

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(136, 198, 43) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(136, 198, 43) }
```

Border

The CSS property to change the border of an element to XYZ 30.7835, 45.7968, 9.5027 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(136, 198, 43) }
```


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

```
.border{ border-color:rgb(136, 198, 43) }
```

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

Here you see how a box with a 4 pixel rgb(136, 198, 43) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(136, 198, 43); -webkit-box-  
shadow:4px 4px 4px 4px rgb(136, 198, 43);  
box-shadow:4px 4px 4px 4px rgb(136, 198,  
43) }
```

Background

The CSS property to change the background color of an element to XYZ 30.7835, 45.7968, 9.5027 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(136, 198, 43) }
```

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

```
.background{ background-color: rgb(136,  
198, 43) }
```

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