

Converting Colors

XYZ(30.1442, 42.4713, 10.3509)

Have a look what the booklet for
XYZ(30.1442, 42.4713, 10.3509)
contains.

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Color

**XYZ(30.0667, 42.4315,
10.3468)**

Conversions

Conversions Part 1

Format	Color
Hex	8EBD38
RGB	142, 189, 56
RGB Percent	56%, 74%, 22%
CMY	0.4431, 0.2588, 0.7804
CMYK	0.25, 0.00, 0.70, 0.26
HSL	81°, 54%, 48%
HSV	81°, 70%, 74%
XYZ	30.0667, 42.4315, 10.3468
YIQ	159.7850, 14.6810, -51.3270

Conversions

Conversions Part 2

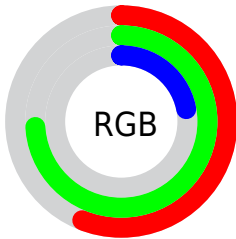
Format	Color
RYB	56, 189, 103
Decimal	9354552
CIELab	71.17, -35.04, 59.02
CIELCh	71, 68.638, 120.694
Yxy	42.4315, 0.3629, 0.5122
Android (android.graphics.Color)	4287544632 (0xFF8EBD38)
YUV	159.7850, -51.1660, -15.5974
Hunter-Lab	65.1395, -31.6031, 36.1800

Details

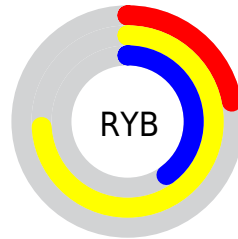
The XYZ color **30.0667, 42.4315, 10.3468** is a dark color, and the websafe version is hex **99CC33**. A complement of this color would be **16.1948, 9.3872, 49.1050**, and the grayscale version is **33.5391, 35.2857, 38.4262**.

A 20% lighter version of the original color is **59.0748, 78.5946, 27.0956**, and **12.5945, 19.3542, 3.0719** is the 20% darker color. If you saturate the color by 10%, you get **28.5773, 41.7088, 8.3033**, and if you desaturate by 10%, it is **31.8013, 43.2632, 13.3141**.

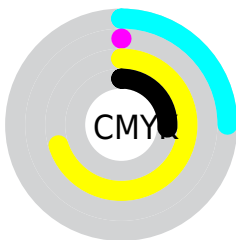
Distribution



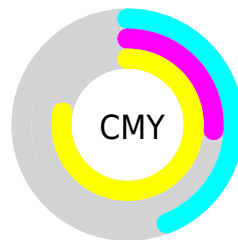
- Red (56%)
- Green (74%)
- Blue (22%)



- Red (22%)
- Yellow (74%)
- Blue (40%)



- Cyan (25%)
- Magenta (0%)
- Yellow (70%)
- Black (26%)



- Cyan (44%)
- Magenta (26%)
- Yellow (78%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 30.0667, 42.4315, 10.3468 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 30.0667, 42.4315, 10.3468 by changing the saturation by 10% instead.

■ 30.0667, 42.4315,
10.3468

■ 30.0667, 42.4315,
10.3468

294.1195,
356.2686, 203.7036

■ 20.0375, 29.4393,
5.5209

■ 59.1535, 78.8523,
27.0637

■ 12.5308, 19.4134,
2.4920

■ 78.9420, 103.0496,
39.7918

■ 7.1810, 11.9694,
0.8359

■ 102.7141,
131.7509, 55.9911

■ 3.6229, 6.7228,
0.0000

■ 130.8355,
165.3403, 76.0800

■ 1.4911, 3.2894,
0.0000

■ 163.6713,
204.2024, 100.4772

■ 0.3198, 1.2846,
0.0000

201.5871,

■ 0.0000, 0.1292,

248.7216, 129.6012

0.0000

244.9480,
299.2822, 163.8704

■ 0.0000, 0.0000,
0.0000

■ 30.0667, 42.4315,
10.3468

■ 30.0667, 42.4315,
10.3468

■ 28.5773, 41.7088,
8.3033

■ 31.8013, 43.2632,
13.3141

■ 27.3080, 41.0804,
7.0711

■ 33.7968, 44.2059,
17.2953

■ 26.2538, 40.5497,
6.4432

■ 36.0708, 45.2682,
22.3726

■ 38.6384, 46.4562,
28.6193

■ 41.5133, 47.7756,
36.1023

■ 44.7082, 49.2316,
44.8832

■ 48.2352, 50.8291,
55.0198

■ 52.1055, 52.5728,
66.5663

■ 56.3299, 54.4670,
79.5740

Harmonies

Analogous

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



40.0626, 42.4315, 7.4102



30.0667, 42.4315, 10.3468



23.9631, 42.4315, 21.6272

Triad

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



30.0667, 42.4315, 10.3468



30.4498, 42.4315, 126.3026



66.7141, 42.4315, 45.4377

Complementary

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



30.0667, 42.4315, 10.3468



16.1948, 9.3872, 49.1050

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.



62.8375, 42.4315, 84.6266



30.0667, 42.4315, 10.3468



40.5984, 42.4315, 142.8027

Square

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



30.0667, 42.4315, 10.3468



24.1530, 42.4315, 86.6317



52.6973, 42.4315, 124.8084



62.4781, 42.4315, 20.8358

Rectangle

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



30.0667, 42.4315, 10.3468



22.2139, 42.4315, 36.7023



52.6973, 42.4315, 124.8084



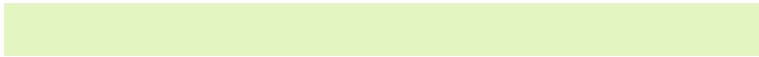
66.3103, 42.4315, 57.2109

Sweetspot

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



30.0677, 42.4334, 10.3477



73.8237, 85.3226, 63.2596



26.5073, 20.7171, 6.3437



15.5612, 18.2043, 12.7731



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.



30.0677, 42.4334, 10.3477



50.0017, 74.1163, 13.6046



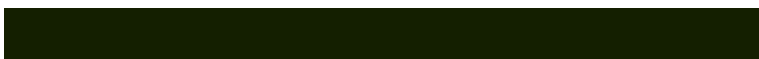
21.8894, 38.2173, 9.9650



9.9861, 10.9473, 10.1633



17.7488, 27.3257, 4.3389



0.7637, 1.1057, 0.1732

Inverse Universe

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



16.1948, 9.3872, 49.1050



23.8441, 11.4769, 87.1847



26.9741, 14.9442, 49.6094



9.3261, 9.3850, 11.9921



7.8041, 3.3093, 32.6203



0.3777, 0.1667, 1.2811

Previews

White Background



This preview shows how the XYZ color 30.0667, 42.4315, 10.3468 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 30.0667, 42.4315, 10.3468 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 30.0667, 42.4315, 10.3468

Background



This preview shows how black text looks on a background with the XYZ color 30.0667, 42.4315, 10.3468.



This preview shows how white text looks on a background with the XYZ color 30.0667, 42.4315,

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

30.0667, 42.4315, 10.3468

Protanopia

38.2616, 42.1221, 9.3626

Deuteranopia

42.7282, 41.8909, 10.8348



Tritanopia

39.0299, 42.0814, 55.3556

Trichromacy



Original Color

30.0667, 42.4315, 10.3468

Protanomaly

34.6672, 41.7273, 9.5952

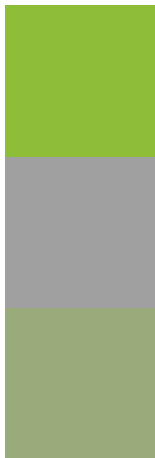
Deuteranomaly

36.9918, 41.4387, 10.6062

Tritanomaly

34.3553, 41.6761, 31.8248

Monochromacy



Original Color

30.0667, 42.4315, 10.3468

Achromatopsia

33.4132, 35.1533, 38.2819

Achromatomaly

31.2126, 37.3033, 23.9675

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.0667, 42.4315, 10.3468 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(142, 189, 56)` looks like.

```
.text, #text, p{  
    color:rgb(142, 189, 56)  
}
```

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(142, 189, 56) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(142, 189, 56) }
```

Border

The CSS property to change the border of an element to XYZ 30.0667, 42.4315, 10.3468 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(142, 189, 56) }
```


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

```
.border{ border-color:rgb(142, 189, 56) }
```

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

Here you see how a box with a 4 pixel rgb(142, 189, 56) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(142, 189, 56); -webkit-box-  
shadow:4px 4px 4px 4px rgb(142, 189, 56);  
box-shadow:4px 4px 4px 4px rgb(142, 189,  
56) }
```

Background

The CSS property to change the background color of an element to XYZ 30.0667, 42.4315, 10.3468 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(142, 189, 56) }
```

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

```
.background{ background-color: rgb(142,  
189, 56) }
```

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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