

Converting Colors

XYZ(34.2834, 46.0938, 30.5868)

Have a look what the booklet for
XYZ(34.2834, 46.0938, 30.5868)
contains.

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Color

**XYZ(34.3470, 46.1547,
30.7654)**

Conversions

Conversions Part 1

Format	Color
Hex	89C389
RGB	137, 195, 137
RGB Percent	54%, 76%, 54%
CMY	0.4627, 0.2353, 0.4627
CMYK	0.30, 0.00, 0.30, 0.24
HSL	120°, 33%, 65%
HSV	120°, 30%, 76%
XYZ	34.3470, 46.1547, 30.7654
YIQ	171.0460, -15.9500, -30.3340

Conversions

Conversions Part 2

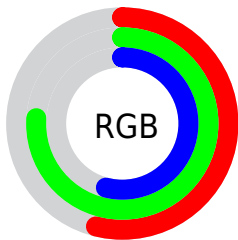
Format	Color
RYB	137, 195, 195
Decimal	9028489
CIELab	73.65, -30.26, 23.32
CIElCh	74, 38.209, 142.382
Yxy	46.1547, 0.3087, 0.4148
Android (android.graphics.Color)	4287218569 (0xFF89C389)
YUV	171.0460, -16.7847, -29.8583
Hunter-Lab	67.9373, -28.6460, 20.7066

Details

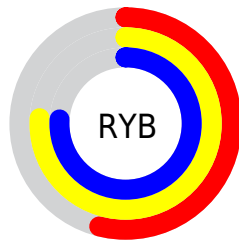
The XYZ color **34.3470, 46.1547, 30.7654** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **41.3032, 33.4345, 55.9082**, and the grayscale version is **38.8202, 40.8419, 44.4768**.

A 20% lighter version of the original color is **65.9526, 84.5889, 62.1414**, and **14.9915, 21.6692, 12.4093** is the 20% darker color. If you saturate the color by 10%, you get **30.1601, 44.1449, 23.9159**, and if you desaturate by 10%, it is **39.3669, 48.5674, 38.9754**.

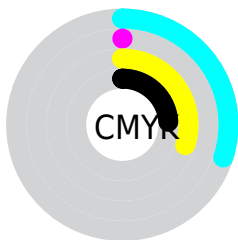
Distribution



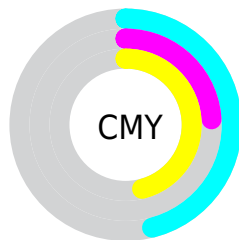
- Red (54%)
- Green (76%)
- Blue (54%)



- Red (54%)
- Yellow (76%)
- Blue (76%)



- Cyan (30%)
- Magenta (0%)
- Yellow (30%)
- Black (24%)



- Cyan (46%)
- Magenta (24%)
- Yellow (46%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 34.3470, 46.1547, 30.7654 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 34.3470, 46.1547, 30.7654 by changing the saturation by 10% instead.

■ 34.3470, 46.1547,
30.7654

■ 34.3470, 46.1547,
30.7654

313.2353,
371.4302, 319.7737

■ 23.3245, 32.3679,
20.1633

■ 65.8136, 84.4505,
61.9458

■ 14.9553, 21.6427,
12.3286

■ 86.9884, 109.7282,
83.3611

■ 8.8741, 13.5946,
6.8426

■ 112.2780,
139.6051, 109.2180

■ 4.7156, 7.8392,
3.2869

142.0478,
174.4656, 139.9349

■ 2.1144, 3.9922,
1.2429

176.6630,
214.6939, 175.9304

■ 0.6970, 1.6692,
0.0143

216.4891,

■ 0.0000, 0.4036,

260.6745, 217.6230

0.0000

261.8914,
312.7918, 265.4312

■ 0.0000, 0.0000,
0.0000

■ 34.3470, 46.1547,
30.7654

■ 34.3470, 46.1547,
30.7654

■ 30.1601, 44.1449,
23.9159

■ 39.3669, 48.5674,
38.9754

■ 26.7577, 42.5106,
18.3508

■ 45.2576, 51.3970,
48.6107

■ 24.0922, 41.2302,
13.9908

■ 52.0589, 54.6640,
59.7354

■ 22.1091, 40.2776,
10.7470

■ 59.8072, 58.3859,
72.4090

■ 20.7463, 39.6230,
8.5179

■ 68.5367, 62.5791,
86.6876

■ 19.9307, 39.2312,
7.1838

■ 78.2801, 67.2594,
102.6247

■ 19.5250, 39.0363,
6.5201

■ 78.8060, 67.5120,
103.4853

■ 19.5160, 39.0320,
6.5054

Harmonies

Analogous

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



39.0976, 46.1547, 23.0698



34.3470, 46.1547, 30.7654



32.1929, 46.1547, 45.4739

Triad

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



34.3470, 46.1547, 30.7654



42.1660, 46.1547, 96.9860



57.0356, 46.1547, 37.3571

Complementary

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



34.3470, 46.1547, 30.7654



41.3032, 33.4345, 55.9082

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.



58.0728, 46.1547, 55.3592



34.3470, 46.1547, 30.7654



49.0128, 46.1547, 93.1943

Square

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



34.3470, 46.1547, 30.7654



36.3951, 46.1547, 85.9337



55.0050, 46.1547, 76.6093



52.3011, 46.1547, 26.1367

Rectangle

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



34.3470, 46.1547, 30.7654



32.3460, 46.1547, 58.6773



55.0050, 46.1547, 76.6093



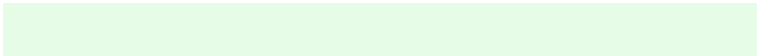
57.8466, 46.1547, 42.6792

Sweetspot

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



34.3482, 46.1567, 30.7664



81.7433, 92.3801, 88.1870



46.5381, 52.4408, 31.3366



17.5329, 20.0535, 18.7101



0.0000, 0.0000, 0.0000



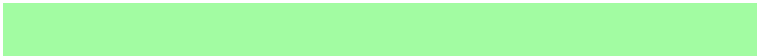
20.3446, 21.4041, 23.3091

Same Dimension

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



34.3482, 46.1567, 30.7664



56.2479, 80.1333, 46.4848



36.7159, 47.1037, 43.2344



9.9445, 11.2588, 10.7109



12.6838, 25.3676, 4.2280



0.5480, 1.0961, 0.1827

Inverse Universe

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



41.3032, 33.4345, 55.9082



70.7943, 53.5250, 99.0688



38.3357, 32.2475, 40.2815



10.4973, 10.2475, 12.7095



21.0295, 10.1015, 34.3969



0.9086, 0.4365, 1.4862

Previews

White Background



This preview shows how the XYZ color 34.3470, 46.1547, 30.7654 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 34.3470, 46.1547, 30.7654 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 34.3470, 46.1547, 30.7654

Background



This preview shows how black text looks on a background with the XYZ color 34.3470, 46.1547, 30.7654.



This preview shows how white text looks on a background with the XYZ color 34.3470, 46.1547,

30.7654.

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

34.3470, 46.1547, 30.7654

Protanopia

42.5987, 45.7236, 27.6994

Deuteranopia

46.6900, 45.6890, 31.9492



Tritanopia

40.8254, 46.1945, 62.6418

Trichromacy



Original Color

34.3470, 46.1547, 30.7654

Protanomaly

38.8162, 45.2756, 28.8835

Deuteranomaly

41.0247, 45.1315, 31.3600

Tritanomaly

38.1264, 46.0610, 49.0007

Monochromacy



Original Color

34.3470, 46.1547, 30.7654

Achromatopsia

38.7082, 40.7240, 44.3485

Achromatomaly

36.8773, 42.5166, 39.0638

CSS Examples

Text

The CSS property to change the color of the text to XYZ 34.3470, 46.1547, 30.7654 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(137, 195, 137)` looks like.

```
.text, #text, p{  
    color:rgb(137, 195, 137)  
}
```

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(137, 195, 137) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(137, 195, 137) }
```

Border

The CSS property to change the border of an element to XYZ 34.3470, 46.1547, 30.7654 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(137, 195, 137) }
```


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

```
.border{ border-color:rgb(137, 195, 137) }
```

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

Here you see how a box with a 4 pixel `rgb(137, 195, 137)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(137, 195, 137); -webkit-box-  
shadow:4px 4px 4px 4px rgb(137, 195, 137);  
box-shadow:4px 4px 4px 4px rgb(137, 195,  
137) }
```

Background

The CSS property to change the background color of an element to XYZ 34.3470, 46.1547, 30.7654 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(137, 195, 137) }
```

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

```
.background{ background-color: rgb(137,  
195, 137) }
```

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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