

Converting Colors

XYZ(34.6907, 46.3249, 13.1948)

Have a look what the booklet for
XYZ(34.6907, 46.3249, 13.1948)
contains.

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Color

**XYZ(34.7596, 46.4224,
13.2593)**

Conversions

Conversions Part 1

| Format | Color |
|-------------|-----------------------------|
| Hex | 9FC248 |
| RGB | 159, 194, 72 |
| RGB Percent | 62%, 76%, 28% |
| CMY | 0.3765, 0.2392, 0.7176 |
| CMYK | 0.18, 0.00, 0.63, 0.24 |
| HSL | 77°, 50%, 52% |
| HSV | 77°, 63%, 76% |
| XYZ | 34.7596, 46.4224, 13.2593 |
| YIQ | 169.6270, 18.3020, -45.3620 |

Conversions

Conversions Part 2

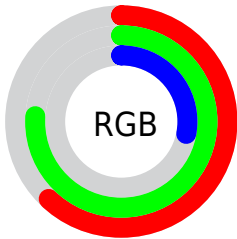
| Format | Color |
|-------------------------------------|---|
| RYB | 72, 194, 107 |
| Decimal | 10469960 |
| CIELab | 73.82, -29.59, 55.73 |
| CIELCh | 74, 63.096, 117.967 |
| Yxy | 46.4224, 0.3681, 0.4915 |
| Android (android.graphics.Color) | 4288660040 (0xFF9FC248) |
| YUV | 169.6270, -48.1301, -9.3199 |
| Hunter-Lab | 68.1340, -28.1700, 36.1556 |

Details

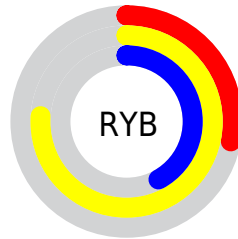
The XYZ color **34.7596, 46.4224, 13.2593** is a dark color, and the websafe version is hex **99CC66**. The color can be described as middle muted chartreuse. A complement of this color would be **18.1202, 11.6568, 52.3366**, and the grayscale version is **38.2494, 40.2414, 43.8228**.

A 20% lighter version of the original color is **66.5820, 85.0996, 32.6553**, and **15.1363, 21.7189, 3.6529** is the 20% darker color. If you saturate the color by 10%, you get **33.1452, 45.6536, 10.3856**, and if you desaturate by 10%, it is **36.6256, 47.3009, 17.1888**.

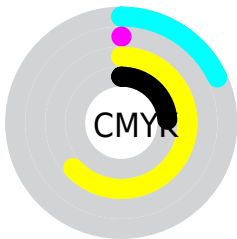
Distribution



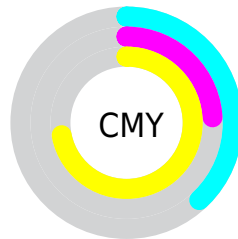
- Red (62%)
- Green (76%)
- Blue (28%)



- Red (28%)
- Yellow (76%)
- Blue (42%)



- Cyan (18%)
- Magenta (0%)
- Yellow (63%)
- Black (24%)



- Cyan (38%)
- Magenta (24%)
- Yellow (72%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 34.7596, 46.4224, 13.2593 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 34.7596, 46.4224, 13.2593 by changing the saturation by 10% instead.

■ 34.7596, 46.4224,
13.2593

■ 34.7596, 46.4224,
13.2593

315.0326,
372.5042, 223.8387

■ 23.6434, 32.5793,
7.4745

■ 66.4497, 84.8508,
32.4668

■ 15.1926, 21.8043,
3.6777

■ 87.7542, 110.2049,
46.7267

■ 9.0419, 13.7132,
1.4502

■ 113.1856,
140.1647, 64.6486

■ 4.8258, 7.9215,
0.1804

■ 143.1092,
175.1147, 86.6512

■ 2.1791, 4.0447,
0.0000

■ 177.8904,
215.4393, 113.1530

■ 0.7317, 1.6986,
0.0000

217.8944,

■ 0.0000, 0.4228,

261.5228, 144.5724

0.0000

263.4867,
313.7496, 181.3282

■ 0.0000, 0.0000,
0.0000

■ 34.7596, 46.4224,
13.2593

■ 34.7596, 46.4224,
13.2593

■ 33.1452, 45.6536,
10.3856

■ 36.6256, 47.3009,
17.1888

■ 31.7589, 44.9801,
8.4619

■ 38.7576, 48.2899,
22.2608

■ 30.5777, 44.3942,
7.3658

■ 41.1724, 49.3979,
28.5561

■ 29.8305, 44.0180,
6.9241

■ 43.8845, 50.6308,
36.1477

■ 46.9073, 51.9941,
45.1027

■ 50.2531, 53.4926,
55.4836

■ 53.9337, 55.1312,
67.3489

■ 57.9602, 56.9144,
80.7541

■ 62.3430, 58.8464,
95.7515

Harmonies

Analogous

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



44.8927, 46.4224, 10.5305



34.7596, 46.4224, 13.2593



28.2451, 46.4224, 24.3478

Triad

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



34.7596, 46.4224, 13.2593



33.6414, 46.4224, 123.0968



69.3846, 46.4224, 52.7693

Complementary

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



34.7596, 46.4224, 13.2593



18.1202, 11.6568, 52.3366

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.



65.0546, 46.4224, 90.9081



34.7596, 46.4224, 13.2593



43.3624, 46.4224, 140.8442

Square

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



34.7596, 46.4224, 13.2593



27.6806, 46.4224, 85.4095



55.0331, 46.4224, 127.1061



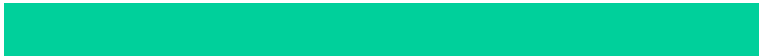
66.0509, 46.4224, 26.7553

Rectangle

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



34.7596, 46.4224, 13.2593



26.2085, 46.4224, 38.7292



55.0331, 46.4224, 127.1061



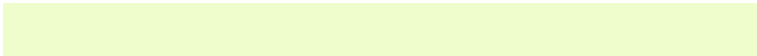
68.7638, 46.4224, 64.5509

Sweetspot

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



34.7607, 46.4245, 13.2603



81.4004, 92.5831, 71.0120



28.6322, 22.3640, 8.9391



17.4866, 20.1214, 14.5608



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.



34.7607, 46.4245, 13.2603



59.1739, 82.2867, 17.4833



25.5470, 41.6746, 12.8291



10.6227, 11.6085, 10.7427



19.6958, 28.9824, 4.5561



0.9162, 1.2858, 0.1999

Inverse Universe

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



18.1202, 11.6568, 52.3366



26.8209, 14.4366, 93.8427



28.1130, 16.8083, 52.8043



9.7937, 9.8848, 12.6766



7.5331, 3.1439, 33.7664



0.3957, 0.1720, 1.4622

Previews

White Background



This preview shows how the XYZ color 34.7596, 46.4224, 13.2593 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 34.7596, 46.4224, 13.2593 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 34.7596, 46.4224, 13.2593

Background



This preview shows how black text looks on a background with the XYZ color 34.7596, 46.4224, 13.2593.



This preview shows how white text looks on a background with the XYZ color 34.7596, 46.4224,

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

34.7596, 46.4224, 13.2593

Protanopia

41.9244, 46.0217, 12.1423

Deuteranopia

46.9043, 45.9169, 13.7879



Tritanopia

43.9253, 46.3257, 58.8512

Trichromacy



Original Color

34.7596, 46.4224, 13.2593

Protanomaly

38.8828, 45.9866, 12.4572

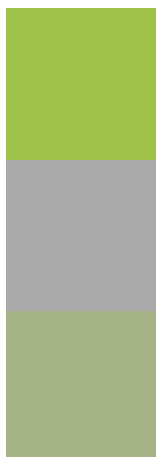
Deuteranomaly

41.4452, 45.4437, 13.4246

Tritanomaly

39.2933, 45.6770, 36.0237

Monochromacy



Original Color

34.7596, 46.4224, 13.2593

Achromatopsia

38.2080, 40.1978, 43.7754

Achromatomaly

36.1491, 42.0684, 28.7690

CSS Examples

Text

The CSS property to change the color of the text to XYZ 34.7596, 46.4224, 13.2593 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(159, 194, 72)` looks like.

```
.text, #text, p{  
    color:rgb(159, 194, 72)  
}
```

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(159, 194, 72) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(159, 194, 72) }
```

Border

The CSS property to change the border of an element to XYZ 34.7596, 46.4224, 13.2593 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(159, 194, 72) }
```


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

```
.border{ border-color:rgb(159, 194, 72) }
```

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

Here you see how a box with a 4 pixel rgb(159, 194, 72) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(159, 194, 72); -webkit-box-  
shadow:4px 4px 4px 4px rgb(159, 194, 72);  
box-shadow:4px 4px 4px 4px rgb(159, 194,  
72) }
```

Background

The CSS property to change the background color of an element to XYZ 34.7596, 46.4224, 13.2593 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(159, 194, 72) }
```

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

```
.background{ background-color: rgb(159,  
194, 72) }
```

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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