

Converting Colors

XYZ(32.4814, 49.4984, 8.3324)

Have a look what the booklet for
XYZ(32.4814, 49.4984, 8.3324)
contains.

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Color

**XYZ(32.4814, 49.4984,
8.3324)**

Conversions

Conversions Part 1

| Format | Color |
|-------------|-----------------------------|
| Hex | 89CE10 |
| RGB | 137, 206, 16 |
| RGB Percent | 54%, 81%, 6% |
| CMY | 0.4627, 0.1921, 0.9372 |
| CMYK | 0.33, 0.00, 0.92, 0.19 |
| HSL | 82°, 86%, 44% |
| HSV | 82°, 92%, 81% |
| XYZ | 32.4814, 49.4984, 8.3324 |
| YIQ | 163.7090, 19.8660, -73.7180 |

Conversions

Conversions Part 2

| Format | Color |
|-------------------------------------|---------------------------------|
| RYB | 16, 206, 85 |
| Decimal | 9031184 |
| CIELab | 75.76, -45.95, 73.30 |
| CIELCh | 76, 86.507, 122.083 |
| Yxy | 49.4984, 0.3597, 0.5481 |
| Android (android.graphics.Color) | 4287221264 (0xFF89CE10) |
| YUV | 163.7090, -72.8205, -23.4238 |
| Hunter-Lab | 70.3551, -40.7119, 42.2266 |

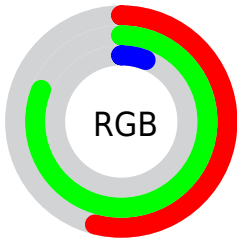
Details

The XYZ color **32.4814, 49.4984, 8.3324** is a dark color, and the websafe version is hex **99CC00**.

The color can be described as dark washed chartreuse. A complement of this color would be **15.0750, 6.7599, 58.9056**, and the grayscale version is **35.4789, 37.3265, 40.6486**.

A 20% lighter version of the original color is **60.2864, 83.9603, 22.2611**, and **14.2911, 23.7955, 3.8398** is the 20% darker color. If you saturate the color by 10%, you get **31.4607, 48.9846, 7.7968**, and if you desaturate by 10%, it is **33.9863, 50.2487, 9.6267**.

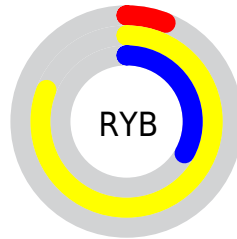
Distribution



Red (54%)

Green (81%)

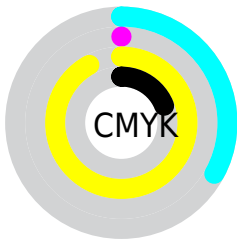
Blue (6%)



Red (6%)

Yellow (81%)

Blue (33%)

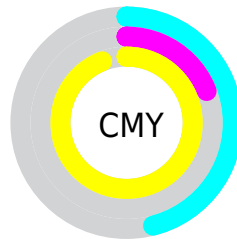


Cyan (33%)

Magenta (0%)

Yellow (92%)

Black (19%)



Cyan (46%)


Magenta (19%)


Yellow (94%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 32.4814, 49.4984, 8.3324 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 32.4814, 49.4984, 8.3324 by changing the saturation by 10% instead.


 32.4814, 49.4984,
8.3324


 32.4814, 49.4984,
8.3324


305.0129,
384.7011, 188.3473


 21.8868, 35.0150,
4.2176

 62.9251, 89.4312,
23.1644


 13.8899, 23.6744,
1.7454


 83.5050, 115.6495,
34.7186


 8.1253, 15.0923,
0.3916


 108.1439,
146.5481, 49.5897

 4.2277, 8.8842,
0.0000

 137.2073,
182.5115, 68.1962

 1.8317, 4.6657,
0.0000

 171.0606,
223.9242, 90.9567

 0.5367, 2.0525,
0.0000

 210.0690,

 0.0000, 0.6377,

271.1704, 118.2897

0.0000

254.5980,
324.6346, 150.6137

■ 0.0000, 0.0000,
0.0000

■ 32.4814, 49.4984,
8.3324

■ 32.4814, 49.4984,
8.3324

■ 31.4607, 48.9846,
7.7968

■ 33.9863, 50.2487,
9.6267

■ 35.7586, 51.1143,
11.8809

■ 37.8278, 52.1089,
15.2381

■ 40.2182, 53.2423,
19.8165

■ 42.9506, 54.5231,
25.7193

■ 46.0443, 55.9591,
33.0389

■ 49.5164, 57.5575,
41.8590

■ 53.3833, 59.3248,
52.2572

■ 57.6598, 61.2672,
64.3056

Harmonies

Analogous

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



45.9337, 49.4984, 5.0289



32.4814, 49.4984, 8.3324



24.7015, 49.4984, 22.1951

Triad

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



32.4814, 49.4984, 8.3324



34.0231, 49.4984, 175.8397



85.1305, 49.4984, 50.7458

Complementary

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



32.4814, 49.4984, 8.3324



15.0750, 6.7599, 58.9056

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.



79.9356, 49.4984, 106.7894



32.4814, 49.4984, 8.3324



48.1776, 49.4984, 199.3176

Square

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



32.4814, 49.4984, 8.3324



25.4388, 49.4984, 115.8114



65.4216, 49.4984, 168.8661



78.3487, 49.4984, 19.2550

Rectangle

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



32.4814, 49.4984, 8.3324



22.6165, 49.4984, 42.6118



65.4216, 49.4984, 168.8661



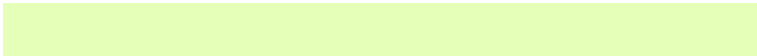
84.7245, 49.4984, 67.0133

Sweetspot

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



32.4825, 49.5006, 8.3335



76.7043, 91.6330, 58.7721



28.6046, 19.2722, 2.7032



15.9112, 19.3794, 11.3203



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.



32.4825, 49.5006, 8.3335



50.7380, 79.2415, 12.6210



23.2270, 44.7292, 7.9003



11.7433, 12.8851, 11.9476



19.4811, 30.2182, 4.8059



1.0864, 1.6009, 0.2517

Inverse Universe

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



15.0750, 6.7599, 58.9056



22.5256, 9.5273, 95.2595



29.5737, 14.2343, 59.5841



10.9800, 11.0390, 14.1224



8.7357, 3.7110, 36.2121



0.5333, 0.2341, 1.8720

Previews

White Background



This preview shows how the XYZ color 32.4814, 49.4984, 8.3324 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 32.4814, 49.4984, 8.3324 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

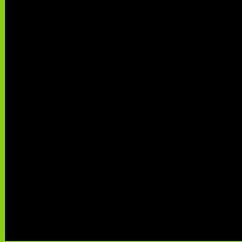
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 32.4814, 49.4984, 8.3324

Background



This preview shows how black text looks on a background with the XYZ color 32.4814, 49.4984, 8.3324.



This preview shows how white text looks on a background with the XYZ color 32.4814, 49.4984,

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 |
| 32.4814, 49.4984, 8.3324 |
| Protanopia |
| 44.1372, 48.8194, 7.0968 |
| Deuteranopia |
| 49.8749, 48.7103, 8.9638 |



Tritanopia

44.2127, 49.4734, 66.2505

Trichromacy



Original Color

32.4814, 49.4984, 8.3324

Protanomaly

38.6313, 48.2204, 7.4437

Deuteranomaly

41.5980, 47.7926, 8.4713

Tritanomaly

37.1314, 48.2515, 31.4012

Monochromacy



Original Color

32.4814, 49.4984, 8.3324

Achromatopsia

35.2861, 37.1238, 40.4278

Achromatomaly

32.2610, 40.2360, 20.8178

CSS Examples

Text

The CSS property to change the color of the text to XYZ 32.4814, 49.4984, 8.3324 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, 206, 16)` looks like.

```
.text, #text, p{  
    color:rgb(137, 206, 16)  
}
```

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, 206, 16) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(137, 206, 16) }
```

Border

The CSS property to change the border of an element to XYZ 32.4814, 49.4984, 8.3324 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, 206, 16) }
```


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

```
.border{ border-color:rgb(137, 206, 16) }
```

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

Here you see how a box with a 4 pixel rgb(137, 206, 16) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(137, 206, 16); -webkit-box-  
shadow:4px 4px 4px 4px rgb(137, 206, 16);  
box-shadow:4px 4px 4px 4px rgb(137, 206,  
16) }
```

Background

The CSS property to change the background color of an element to XYZ 32.4814, 49.4984, 8.3324 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(137, 206, 16) }
```

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

```
.background{ background-color: rgb(137,  
206, 16) }
```

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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