

Converting Colors

XYZ(24.1127, 32.8139, 8.3681)

Have a look what the booklet for
XYZ(24.1127, 32.8139, 8.3681)
contains.

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Color

**XYZ(24.1114, 32.8719,
8.3229)**

Conversions

Conversions Part 1

Format	Color
Hex	85A734
RGB	133, 167, 52
RGB Percent	52%, 65%, 20%
CMY	0.4784, 0.3451, 0.7961
CMYK	0.20, 0.00, 0.69, 0.35
HSL	78°, 53%, 43%
HSV	78°, 69%, 65%
XYZ	24.1114, 32.8719, 8.3229
YIQ	143.7240, 16.6510, -42.9730

Conversions

Conversions Part 2

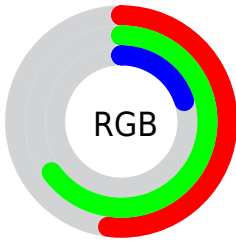
Format	Color
RYB	52, 167, 86
Decimal	8759092
CIELab	64.06, -28.56, 53.15
CIELCh	64, 60.335, 118.248
Yxy	32.8719, 0.3692, 0.5034
Android (android.graphics.Color)	4286949172 (0xFF85A734)
YUV	143.7240, -45.2199, -9.4049
Hunter-Lab	57.3340, -25.2677, 31.5270

Details

The XYZ color **24.1114, 32.8719, 8.3229** is a dark color, and the websafe version is hex **669933**. A complement of this color would be **12.0421, 7.2253, 37.3211**, and the grayscale version is **26.5704, 27.9541, 30.4420**.

A 20% lighter version of the original color is **49.6573, 64.0813, 23.1163**, and **9.3552, 13.9237, 2.1945** is the 20% darker color. If you saturate the color by 10%, you get **23.0387, 32.3560, 6.6449**, and if you desaturate by 10%, it is **25.3554, 33.4629, 10.7048**.

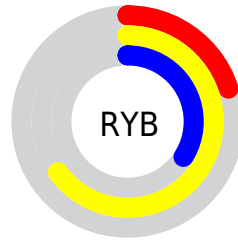
Distribution



Red (52%)

Green (65%)

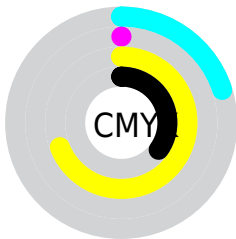
Blue (20%)



Red (20%)

Yellow (65%)

Blue (34%)

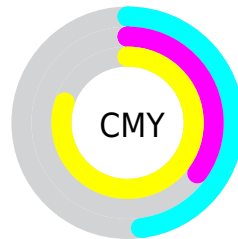


Cyan (20%)

Magenta (0%)

Yellow (69%)

Black (35%)



Cyan (48%)


Magenta (35%)


Yellow (80%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 24.1114, 32.8719, 8.3229 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 24.1114, 32.8719, 8.3229 by changing the saturation by 10% instead.


 24.1114, 32.8719,
8.3229


 24.1114, 32.8719,
8.3229


265.8132,
315.0721, 188.2714


 15.5415, 22.0283,
4.2115


 49.6653, 64.1755,
23.1456


 9.2891, 13.8777,
1.7421


 67.3799, 85.4043,
34.6940


 4.9888, 8.0357,
0.3893


 88.8735, 110.8636,
49.5585

 2.2754, 4.1178,
0.0000

 114.5114,
140.9379, 68.1577

 0.7820, 1.7397,
0.0000

 144.6590,
176.0115, 90.9100

 0.0000, 0.4491,
0.0000

 179.6816,

 0.0000, 0.0000,

216.4688, 118.2340

0.0000

219.9445,
262.6942, 150.5483

■ 24.1114, 32.8719,
8.3229

■ 24.1114, 32.8719,
8.3229

■ 23.0387, 32.3560,
6.6449

■ 25.3554, 33.4629,
10.7048

■ 22.1197, 31.9046,
5.5908

■ 26.7815, 34.1298,
13.8550

■ 21.3263, 31.5076,
5.0122

■ 28.4020, 34.8788,
17.8330

■ 21.2395, 31.4641,
4.9537

■ 30.2277, 35.7143,
22.6919

■ 32.2680, 36.6402,
28.4803

■ 34.5321, 37.6600,
35.2434

■ 37.0284, 38.7773,
43.0233

■ 39.7649, 39.9952,
51.8596

■ 42.7490, 41.3169,
61.7899

Harmonies

Analogous

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



31.7476, 32.8719, 6.3900



24.1114, 32.8719, 8.3229



19.2772, 32.8719, 16.3380

Triad

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



24.1114, 32.8719, 8.3229



23.3884, 32.8719, 92.3761



50.6545, 32.8719, 37.2465

Complementary

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



24.1114, 32.8719, 8.3229



12.0421, 7.2253, 37.3211

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.



47.3543, 32.8719, 66.6095



24.1114, 32.8719, 8.3229



30.7453, 32.8719, 106.1889

Square

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



24.1114, 32.8719, 8.3229



18.9162, 32.8719, 62.9186



39.6599, 32.8719, 95.1030



48.0186, 32.8719, 17.8566

Rectangle

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



24.1114, 32.8719, 8.3229



17.7885, 32.8719, 27.0578



39.6599, 32.8719, 95.1030



50.1923, 32.8719, 46.2284

Sweetspot

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



24.1122, 32.8734, 8.3236



56.8293, 65.1835, 48.2308



19.7732, 14.8961, 5.0823



12.4983, 14.4875, 10.1678



80.6108, 84.8088, 92.3568



14.7206, 15.4872, 16.8656

Same Dimension

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



24.1122, 32.8734, 8.3236



40.2981, 57.4748, 10.7075



17.4935, 29.4613, 8.0139



7.9276, 8.6608, 8.0431



16.3026, 24.1015, 3.7928



0.4441, 0.6109, 0.0945

Inverse Universe

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



12.0421, 7.2253, 37.3211



17.3693, 8.4862, 66.1978



19.3739, 11.0050, 37.6642



7.3325, 7.4040, 9.4610



6.3646, 2.6645, 28.1543



0.2054, 0.0909, 0.6874

Previews

White Background



This preview shows how the XYZ color 24.1114, 32.8719, 8.3229 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 24.1114, 32.8719, 8.3229 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 24.1114, 32.8719, 8.3229

Background



This preview shows how black text looks on a background with the XYZ color 24.1114, 32.8719, 8.3229.



This preview shows how white text looks on a background with the XYZ color 24.1114, 32.8719,

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

24.1114, 32.8719, 8.3229

Protanopia

29.5093, 32.5487, 7.6329

Deuteranopia

33.2155, 32.5207, 8.6641



Tritanopia

30.8104, 32.7151, 41.7365

Trichromacy



Original Color

24.1114, 32.8719, 8.3229

Protanomaly

27.0744, 32.2957, 7.8243

Deuteranomaly

29.0640, 32.0547, 8.3967

Tritanomaly

27.3212, 32.3107, 24.5353

Monochromacy



Original Color

24.1114, 32.8719, 8.3229

Achromatopsia

26.5089, 27.8894, 30.3716

Achromatomaly

24.9127, 29.1796, 19.3581

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.1114, 32.8719, 8.3229 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(133, 167, 52)` looks like.

```
.text, #text, p{  
    color:rgb(133, 167, 52)  
}
```

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(133, 167, 52) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 167, 52) }
```

Border

The CSS property to change the border of an element to XYZ 24.1114, 32.8719, 8.3229 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(133, 167, 52) }
```


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

```
.border{ border-color:rgb(133, 167, 52) }
```

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

Here you see how a box with a 4 pixel `rgb(133, 167, 52)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(133, 167, 52); -webkit-box-  
shadow:4px 4px 4px 4px rgb(133, 167, 52);  
box-shadow:4px 4px 4px 4px rgb(133, 167,  
52) }
```

Background

The CSS property to change the background color of an element to XYZ 24.1114, 32.8719, 8.3229 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(133, 167, 52) }
```

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

```
.background{ background-color: rgb(133,  
167, 52) }
```

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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