

Converting Colors

XYZ(32.7928, 49.3061, 8.2041)

Have a look what the booklet for
XYZ(32.7928, 49.3061, 8.2041)
contains.

XYZ(32.7258, 49.2698, 8.2007)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(32.7258, 49.2698,
8.2007)**

Conversions

Conversions Part 1

Format	Color
Hex	8CCD0E
RGB	140, 205, 14
RGB Percent	55%, 80%, 5%
CMY	0.4510, 0.1961, 0.9450
CMYK	0.32, 0.00, 0.93, 0.20
HSL	80°, 87%, 43%
HSV	80°, 93%, 80%
XYZ	32.7258, 49.2698, 8.2007
YIQ	163.7910, 22.5710, -73.1810

Conversions

Conversions Part 2

Format	Color
RYB	14, 205, 79
Decimal	9227534
CIELab	75.62, -44.46, 73.50
CIELCh	76, 85.904, 121.171
Yxy	49.2698, 0.3628, 0.5463
Android (android.graphics.Color)	4287417614 (0xFF8CCD0E)
YUV	163.7910, -73.8470, -20.8647
Hunter-Lab	70.1924, -39.6148, 42.2078

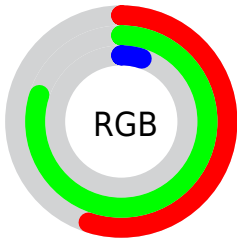
Details

The XYZ color **32.7258, 49.2698, 8.2007** 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 **14.4039, 6.3860, 58.2339**, and the grayscale version is **35.5220, 37.3719, 40.6980**.

A 20% lighter version of the original color is **60.7690, 84.2139, 22.0689**, and **14.3860, 23.6065, 3.7983** is the 20% darker color. If you saturate the color by 10%, you get **31.8607, 48.8346, 7.7468**, and if you desaturate by 10%, it is **34.1572, 49.9843, 9.4008**.

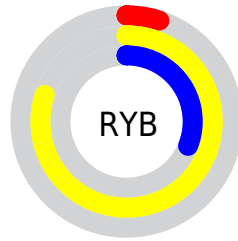
Distribution



Red (55%)

Green (80%)

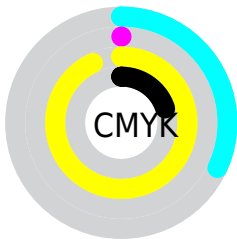
Blue (5%)



Red (5%)

Yellow (80%)

Blue (31%)

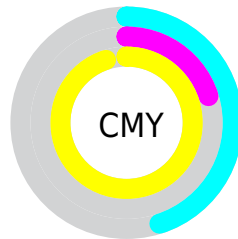


Cyan (32%)

Magenta (0%)

Yellow (93%)

Black (20%)



Cyan (45%)


Magenta (20%)


Yellow (95%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 32.7258, 49.2698, 8.2007 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 32.7258, 49.2698, 8.2007 by changing the saturation by 10% instead.


 32.7258, 49.2698,
8.2007


 32.7258, 49.2698,
8.2007


306.0992,
383.8035, 187.2908

 22.0747, 34.8335,
4.1340


 63.3047, 89.0920,
22.9036

 14.0287, 23.5347,
1.6992


 83.9633, 115.2468,
34.3769


 8.2225, 14.9888,
0.3602


 108.6884,
146.0765, 49.1562

 4.2906, 8.8115,
0.0000

 137.8454,
181.9656, 67.6599

 1.8678, 4.6185,
0.0000

 171.7996,
223.2985, 90.3068

 0.5580, 2.0252,
0.0000

 210.9164,

 0.0000, 0.6220,

270.4595, 117.5151

0.0000

255.5612,
323.8330, 149.7037

■ 0.0000, 0.0000,
0.0000

■ 32.7258, 49.2698,
8.2007

■ 32.7258, 49.2698,
8.2007

■ 31.8607, 48.8346,
7.7468

■ 34.1572, 49.9843,
9.4008

■ 35.8404, 50.8065,
11.5348

■ 37.8047, 51.7501,
14.7469

■ 40.0741, 52.8248,
19.1559

■ 42.6694, 54.0390,
24.8646

■ 45.6092, 55.4004,
31.9653

■ 48.9105, 56.9159,
40.5414

■ 52.5892, 58.5920,
50.6700

■ 56.6600, 60.4346,
62.4228

Harmonies

Analogous

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



46.2077, 49.2698, 5.0965



32.7258, 49.2698, 8.2007



24.8347, 49.2698, 21.5429

Triad

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



32.7258, 49.2698, 8.2007



33.5850, 49.2698, 172.6521



84.5100, 49.2698, 51.8777

Complementary

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



32.7258, 49.2698, 8.2007



14.4039, 6.3860, 58.2339

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.



79.0283, 49.2698, 107.8838



32.7258, 49.2698, 8.2007



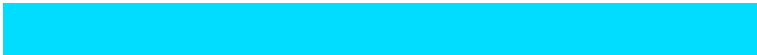
47.4568, 49.2698, 197.3497

Square

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



32.7258, 49.2698, 8.2007



25.2461, 49.2698, 112.8950



64.4950, 49.2698, 168.7827



78.1464, 49.2698, 19.9003

Rectangle

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



32.7258, 49.2698, 8.2007



22.6574, 49.2698, 41.3030



64.4950, 49.2698, 168.7827



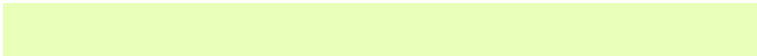
83.9838, 49.2698, 68.2325

Sweetspot

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



32.7269, 49.2720, 8.2018



77.2273, 91.9026, 58.7965



27.9593, 18.4153, 2.4971



16.0375, 19.4445, 11.3262



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.



32.7269, 49.2720, 8.2018



51.9523, 79.8674, 12.6778



23.0318, 44.2740, 7.7480



11.7686, 12.8981, 11.9487



19.9386, 30.4540, 4.8273



1.1078, 1.6119, 0.2527

Inverse Universe

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



14.4039, 6.3860, 58.2339



21.9613, 9.2364, 95.2330



28.4494, 13.6267, 58.8912



10.9557, 11.0265, 14.1213



8.5143, 3.5968, 36.2018



0.5202, 0.2273, 1.8714

Previews

White Background



This preview shows how the XYZ color 32.7258, 49.2698, 8.2007 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 32.7258, 49.2698, 8.2007 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

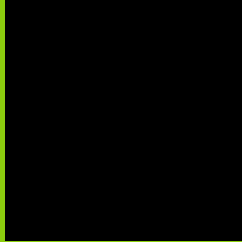
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 32.7258, 49.2698, 8.2007

Background



This preview shows how black text looks on a background with the XYZ color 32.7258, 49.2698, 8.2007.

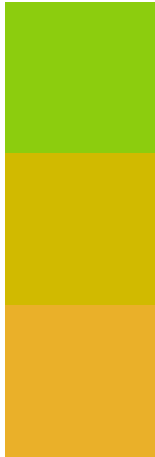


This preview shows how white text looks on a background with the XYZ color 32.7258, 49.2698,

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

32.7258, 49.2698, 8.2007

Protanopia

43.8534, 48.6731, 7.0835

Deuteranopia

49.8573, 48.7032, 8.8707



Tritanopia

44.2686, 49.1914, 65.5542

Trichromacy



Original Color

32.7258, 49.2698, 8.2007

Protanomaly

38.8645, 48.3412, 7.4260

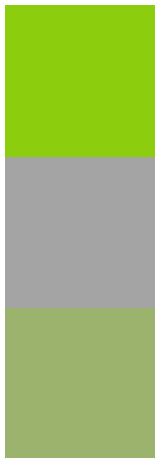
Deuteranomaly

41.8371, 47.9189, 8.3406

Tritanomaly

37.3207, 48.0297, 30.5962

Monochromacy



Original Color

32.7258, 49.2698, 8.2007

Achromatopsia

35.2861, 37.1238, 40.4278

Achromatomaly

32.3980, 40.3129, 20.5416

CSS Examples

Text

The CSS property to change the color of the text to XYZ 32.7258, 49.2698, 8.2007 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(140, 205, 14)` looks like.

```
.text, #text, p{  
    color:rgb(140, 205, 14)  
}
```

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(140, 205, 14) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(140, 205, 14) }
```

Border

The CSS property to change the border of an element to XYZ 32.7258, 49.2698, 8.2007 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(140, 205, 14) }
```


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

```
.border{ border-color:rgb(140, 205, 14) }
```

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

Here you see how a box with a 4 pixel `rgb(140, 205, 14)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(140, 205, 14); -webkit-box-  
shadow:4px 4px 4px 4px rgb(140, 205, 14);  
box-shadow:4px 4px 4px 4px rgb(140, 205,  
14) }
```

Background

The CSS property to change the background color of an element to XYZ 32.7258, 49.2698, 8.2007 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(140, 205, 14) }
```

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

```
.background{ background-color: rgb(140,  
205, 14) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor