

Converting Colors

XYZ(32.8072, 47.5363, 9.2814)

Have a look what the booklet for
XYZ(32.8072, 47.5363, 9.2814)
contains.

XYZ(32.8582, 47.5595, 9.2818)	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(32.8582, 47.5595,
9.2818)**

Conversions

Conversions Part 1

Format	Color
Hex	92C826
RGB	146, 200, 38
RGB Percent	57%, 78%, 15%
CMY	0.4275, 0.2157, 0.8510
CMYK	0.27, 0.00, 0.81, 0.22
HSL	80°, 68%, 47%
HSV	80°, 81%, 78%
XYZ	32.8582, 47.5595, 9.2818
YIQ	165.3860, 19.8180, -61.8300

Conversions

Conversions Part 2

Format	Color
R_{YB}	38, 200, 92
Decimal	9619494
CIE _{Lab}	74.55, -39.37, 68.09
CIE _{LCh}	75, 78.654, 120.034
Yxy	47.5595, 0.3663, 0.5302
Android (android.graphics.Color)	4287809574 (0xFF92C826)
YUV	165.3860, -62.8013, -17.0015
Hunter-Lab	68.9634, -35.6381, 40.2945

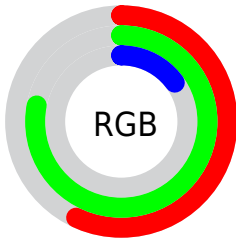
Details

The XYZ color **32.8582, 47.5595, 9.2818** is a dark color, and the websafe version is hex **99CC33**.

The color can be described as dark muted chartreuse. A complement of this color would be **15.5341, 7.8330, 55.3396**, and the grayscale version is **36.2370, 38.1242, 41.5172**.

A 20% lighter version of the original color is **62.8664, 85.2392, 24.6947**, and **14.3987, 22.6816, 3.6191** is the 20% darker color. If you saturate the color by 10%, you get **31.4676, 46.8720, 7.9613**, and if you desaturate by 10%, it is **34.4934, 48.3562, 11.5198**.

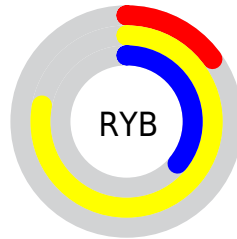
Distribution



Red (57%)

Green (78%)

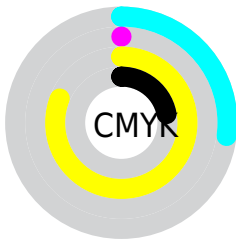
Blue (15%)



Red (15%)

Yellow (78%)

Blue (36%)

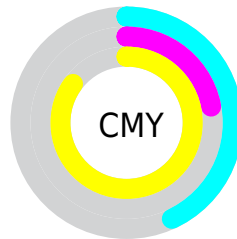


Cyan (27%)

Magenta (0%)

Yellow (81%)

Black (22%)



Cyan (43%)


Magenta (22%)


Yellow (85%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 32.8582, 47.5595, 9.2818 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 32.8582, 47.5595, 9.2818 by changing the saturation by 10% instead.


 32.8582, 47.5595,
9.2818


 32.8582, 47.5595,
9.2818


306.6866,
377.0434, 195.7612

 22.1766, 33.4782,
4.8261


 63.5102, 86.5482,
25.0219


 14.1040, 22.4930,
2.0887


 84.2113, 112.2243,
37.1434


 8.2752, 14.2196,
0.6090


 108.9830,
142.5342, 52.6573

 4.3248, 8.2736,
0.0000

 138.1905,
177.8622, 71.9821

 1.8875, 4.2705,
0.0000

 172.1993,
218.5928, 95.5364

 0.5696, 1.8260,
0.0000

 211.3746,

 0.0000, 0.5033,

265.1102, 123.7386

0.0000

256.0820,
317.7990, 157.0074

■ 0.0000, 0.0000,
0.0000

■ 32.8582, 47.5595,
9.2818

■ 32.8582, 47.5595,
9.2818

■ 31.4676, 46.8720,
7.9613

■ 34.4934, 48.3562,
11.5198

■ 30.3802, 46.3240,
7.3402

■ 36.3953, 49.2660,
14.8004

■ 38.5867, 50.2999,
19.2326

■ 41.0866, 51.4655,
24.9109

■ 43.9120, 52.7699,
31.9198

■ 47.0787, 54.2194,
40.3365

■ 50.6012, 55.8199,
50.2326

■ 54.4932, 57.5771,
61.6743

■ 58.7675, 59.4961,
74.7243

Harmonies

Analogous

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



45.1875, 47.5595, 6.3256



32.8582, 47.5595, 9.2818



25.4205, 47.5595, 21.7025

Triad

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



32.8582, 47.5595, 9.2818



32.8811, 47.5595, 153.4944



78.4115, 47.5595, 51.7373

Complementary

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



32.8582, 47.5595, 9.2818



15.5341, 7.8330, 55.3396

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.



73.2546, 47.5595, 101.5423



32.8582, 47.5595, 9.2818



45.2203, 47.5595, 176.1121

Square

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



32.8582, 47.5595, 9.2818



25.4317, 47.5595, 101.6697



60.3092, 47.5595, 153.3977



73.2320, 47.5595, 21.6570

Rectangle

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



32.8582, 47.5595, 9.2818



23.2758, 47.5595, 39.3856



60.3092, 47.5595, 153.3977



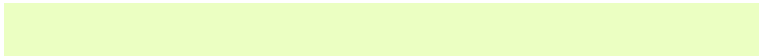
77.8177, 47.5595, 66.5449

Sweetspot

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



32.8593, 47.5616, 9.2828



79.6034, 92.9998, 64.6765



27.9983, 20.0754, 4.2336



16.6151, 19.7120, 12.7195



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.



32.8593, 47.5616, 9.2828



52.9341, 80.3687, 12.9425



23.1858, 42.5747, 8.8301



11.1671, 12.2331, 11.3354



19.4141, 29.5036, 4.6715



0.9938, 1.4354, 0.2247

Inverse Universe

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



15.5341, 7.8330, 55.3396



22.3601, 9.5652, 95.2755



28.3539, 14.4419, 55.9395



10.3843, 10.4564, 13.3885



8.1720, 3.4471, 34.9790



0.4641, 0.2030, 1.6599

Previews

White Background



This preview shows how the XYZ color 32.8582, 47.5595, 9.2818 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 32.8582, 47.5595, 9.2818 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 32.8582, 47.5595, 9.2818

Background



This preview shows how black text looks on a background with the XYZ color 32.8582, 47.5595, 9.2818.



This preview shows how white text looks on a background with the XYZ color 32.8582, 47.5595,

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

32.8582, 47.5595, 9.2818

Protanopia

42.6758, 47.1043, 8.3562

Deuteranopia

47.8765, 46.7931, 9.7574



Tritanopia

43.4114, 47.2274, 62.0861

Trichromacy



Original Color

32.8582, 47.5595, 9.2818

Protanomaly

38.2681, 46.7069, 8.5885

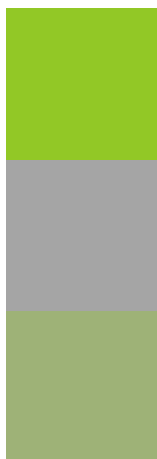
Deuteranomaly

40.9998, 46.2143, 9.4487

Tritanomaly

37.4179, 46.3827, 32.5718

Monochromacy



Original Color

32.8582, 47.5595, 9.2818

Achromatopsia

35.7637, 37.6262, 40.9749

Achromatomaly

33.3507, 40.4418, 23.5010

CSS Examples

Text

The CSS property to change the color of the text to XYZ 32.8582, 47.5595, 9.2818 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(146, 200, 38)` looks like.

```
.text, #text, p{  
    color:rgb(146, 200, 38)  
}
```

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(146, 200, 38) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(146, 200, 38) }
```

Border

The CSS property to change the border of an element to XYZ 32.8582, 47.5595, 9.2818 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(146, 200, 38) }
```


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

```
.border{ border-color:rgb(146, 200, 38) }
```

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

Here you see how a box with a 4 pixel `rgb(146, 200, 38)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(146, 200, 38); -webkit-box-  
shadow:4px 4px 4px 4px rgb(146, 200, 38);  
box-shadow:4px 4px 4px 4px rgb(146, 200,  
38) }
```

Background

The CSS property to change the background color of an element to XYZ 32.8582, 47.5595, 9.2818 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(146, 200, 38) }
```

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

```
.background{ background-color: rgb(146,  
200, 38) }
```

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