

Converting Colors

XYZ(32.1716, 47.2646, 17.7908)

Have a look what the booklet for
XYZ(32.1716, 47.2646, 17.7908)
contains.

XYZ(32.2225, 47.3889, 17.8046)	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(32.2225, 47.3889,
17.8046)**

Conversions

Conversions Part 1

Format	Color
Hex	83C95D
RGB	131, 201, 93
RGB Percent	51%, 79%, 36%
CMY	0.4863, 0.2117, 0.6353
CMYK	0.35, 0.00, 0.54, 0.21
HSL	99°, 50%, 58%
HSV	99°, 54%, 79%
XYZ	32.2225, 47.3889, 17.8046
YIQ	167.7580, -7.0520, -48.4280

Conversions

Conversions Part 2

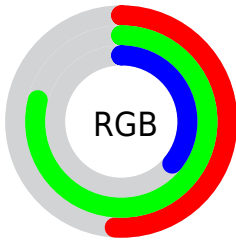
Format	Color
RYB	93, 201, 163
Decimal	8636765
CIELab	74.44, -41.18, 46.56
CIELCh	74, 62.157, 131.490
Yxy	47.3889, 0.3308, 0.4865
Android (android.graphics.Color)	4286826845 (0xFF83C95D)
YUV	167.7580, -36.8557, -32.2368
Hunter-Lab	68.8396, -36.9169, 32.8530

Details

The XYZ color **32.2225, 47.3889, 17.8046** 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 **29.5635, 19.8338, 57.5311**, and the grayscale version is **37.2793, 39.2207, 42.7114**.

A 20% lighter version of the original color is **61.4418, 84.1601, 40.2003**, and **13.6596, 22.2544, 5.6734** is the 20% darker color. If you saturate the color by 10%, you get **29.5543, 46.1046, 13.6278**, and if you desaturate by 10%, it is **35.3807, 48.9017, 23.2276**.

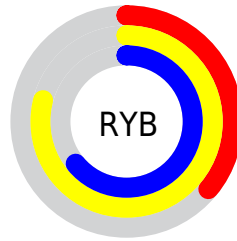
Distribution



Red (51%)

Green (79%)

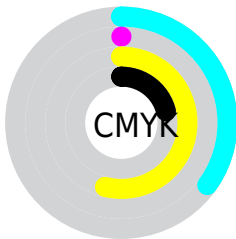
Blue (36%)



Red (36%)

Yellow (79%)

Blue (64%)

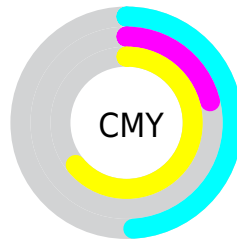


Cyan (35%)

Magenta (0%)

Yellow (54%)

Black (21%)



Cyan (49%)

Magenta (21%)

Yellow (64%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 32.2225, 47.3889, 17.8046 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 32.2225, 47.3889, 17.8046 by changing the saturation by 10% instead.

■ 32.2225, 47.3889,
17.8046

■ 32.2225, 47.3889,
17.8046

303.8589,
376.3647, 251.9664

■ 21.6879, 33.3432,
10.6418

■ 62.5226, 86.2938,
40.5135

■ 13.7431, 22.3895,
5.7154

■ 83.0187, 111.9219,
56.8967

■ 8.0227, 14.1434,
2.6068

■ 107.5661,
142.1795, 77.1905

■ 4.1614, 8.2204,
0.8960

■ 136.5301,
177.4510, 101.8133

■ 1.7938, 4.2363,
0.0000

170.2760,
218.1209, 131.1838

■ 0.5140, 1.8066,
0.0000

209.1692,

■ 0.0000, 0.4913,

264.5736, 165.7204

0.0000

253.5750,
317.1934, 205.8418

■ 0.0000, 0.0000,
0.0000

■ 32.2225, 47.3889,
17.8046

■ 32.2225, 47.3889,
17.8046

■ 29.5543, 46.1046,
13.6278

■ 35.3807, 48.9017,
23.2276

■ 27.3447, 45.0303,
10.5949

■ 39.0512, 50.6482,
29.9821

■ 25.5630, 44.1543,
8.5924

■ 43.2588, 52.6409,
38.1497

■ 24.1727, 43.4607,
7.4821

■ 48.0255, 54.8895,
47.8043

■ 23.4655, 43.1042,
7.0832

■ 53.3720, 57.4031,
59.0150

■ 59.3181, 60.1906,
71.8461

■ 65.8825, 63.2602,
86.3587

■ 73.0828, 66.6199,
102.6105

■ 77.7406, 68.9990,
103.8285

Harmonies

Analogous

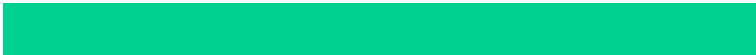
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



40.8847, 47.3889, 11.6750



32.2225, 47.3889, 17.8046



27.5440, 47.3889, 34.3833

Triad

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



32.2225, 47.3889, 17.8046



38.5420, 47.3889, 135.0179



69.6269, 47.3889, 40.2569

Complementary

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



32.2225, 47.3889, 17.8046



29.5635, 19.8338, 57.5311

Split Complementary

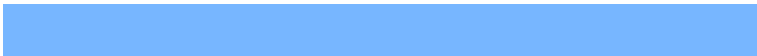
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



68.7180, 47.3889, 73.7718



32.2225, 47.3889, 17.8046



49.4714, 47.3889, 138.7653

Square

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



32.2225, 47.3889, 17.8046



30.7533, 47.3889, 104.2242



60.8766, 47.3889, 112.9962



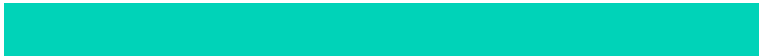
63.1856, 47.3889, 20.5643

Rectangle

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



32.2225, 47.3889, 17.8046



26.7539, 47.3889, 53.2198



60.8766, 47.3889, 112.9962



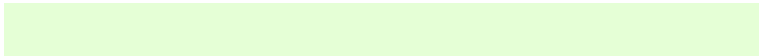
70.1960, 47.3889, 50.0104

Sweetspot

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



32.2236, 47.3909, 17.8056



80.0942, 92.9701, 77.4759



38.8800, 38.8396, 15.8042



16.7725, 19.7245, 15.8277



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.



32.2236, 47.3909, 17.8056



50.1171, 78.6992, 22.6285



28.0773, 45.1726, 21.2608



10.8436, 12.0663, 11.3203



14.8440, 27.1476, 4.4577



0.7814, 1.3259, 0.2147

Inverse Universe

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



29.5635, 19.8338, 57.5311



45.0387, 26.7888, 97.4047



36.9305, 23.8183, 49.4427



10.7070, 10.6227, 13.4036



12.5469, 5.7024, 35.1837



0.6704, 0.3094, 1.6695

Previews

White Background



This preview shows how the XYZ color 32.2225, 47.3889, 17.8046 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 32.2225, 47.3889, 17.8046 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

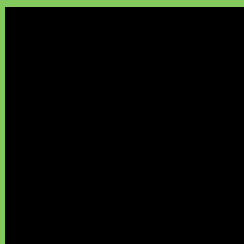
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 32.2225, 47.3889, 17.8046

Background



This preview shows how black text looks on a background with the XYZ color 32.2225, 47.3889, 17.8046.



This preview shows how white text looks on a background with the XYZ color 32.2225, 47.3889,

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

32.2225, 47.3889, 17.8046

Protanopia

42.8054, 46.7006, 15.7749

Deuteranopia

47.8677, 46.8802, 18.5825



Tritanopia

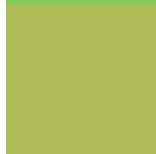
41.4911, 47.1444, 64.0397

Trichromacy



Original Color

32.2225, 47.3889, 17.8046



Protanomaly

37.9053, 46.3466, 16.3992



Deuteranomaly

40.5334, 46.0912, 18.0694



Tritanomaly

36.9261, 46.5710, 42.1649

Monochromacy



Original Color

32.2225, 47.3889, 17.8046



Achromatopsia

37.2190, 39.1572, 42.6422



Achromatomaly

34.6465, 41.5342, 31.3901

CSS Examples

Text

The CSS property to change the color of the text to XYZ 32.2225, 47.3889, 17.8046 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(131, 201, 93)` looks like.

```
.text, #text, p{  
    color:rgb(131, 201, 93)  
}
```

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(131, 201, 93) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(131, 201, 93) }
```

Border

The CSS property to change the border of an element to XYZ 32.2225, 47.3889, 17.8046 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(131, 201, 93) }
```


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

```
.border{ border-color:rgb(131, 201, 93) }
```

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

Here you see how a box with a 4 pixel rgb(131, 201, 93) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(131, 201, 93); -webkit-box-  
shadow:4px 4px 4px 4px rgb(131, 201, 93);  
box-shadow:4px 4px 4px 4px rgb(131, 201,  
93) }
```

Background

The CSS property to change the background color of an element to XYZ 32.2225, 47.3889, 17.8046 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(131, 201, 93) }
```

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

```
.background{ background-color: rgb(131,  
201, 93) }
```

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