

Converting Colors

XYZ(33.2507, 47.7103, 22.5909)

Have a look what the booklet for
XYZ(33.2507, 47.7103, 22.5909)
contains.

XYZ(33.2716, 47.8265, 22.5168)	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(33.2716, 47.8265,
22.5168)**

Conversions

Conversions Part 1

Format	Color
Hex	84C96F
RGB	132, 201, 111
RGB Percent	52%, 79%, 44%
CMY	0.4824, 0.2117, 0.5647
CMYK	0.34, 0.00, 0.45, 0.21
HSL	106°, 45%, 61%
HSV	106°, 45%, 79%
XYZ	33.2716, 47.8265, 22.5168
YIQ	170.1090, -12.2340, -42.6180

Conversions

Conversions Part 2

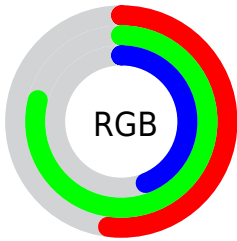
Format	Color
RYB	111, 201, 180
Decimal	8702319
CIELab	74.72, -38.63, 38.13
CIELCh	75, 54.283, 135.371
Yxy	47.8265, 0.3211, 0.4616
Android (android.graphics.Color)	4286892399 (0xFF84C96F)
YUV	170.1090, -29.1407, -33.4216
Hunter-Lab	69.1567, -35.1471, 29.1054

Details

The XYZ color **33.2716, 47.8265, 22.5168** is a dark color, and the websafe version is hex **99CC66**. A complement of this color would be **35.0517, 25.2907, 58.2951**, and the grayscale version is **38.4090, 40.4093, 44.0057**.

A 20% lighter version of the original color is **63.1999, 84.8917, 48.1767**, and **14.2631, 22.5144, 8.0088** is the 20% darker color. If you saturate the color by 10%, you get **30.0528, 46.2824, 17.2249**, and if you desaturate by 10%, it is **37.0979, 49.6578, 29.1390**.

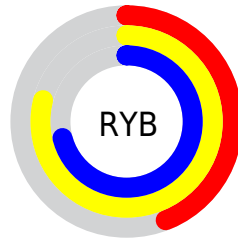
Distribution



Red (52%)

Green (79%)

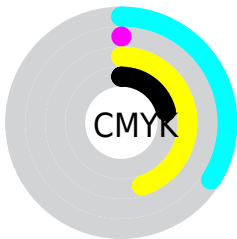
Blue (44%)



Red (44%)

Yellow (79%)

Blue (71%)

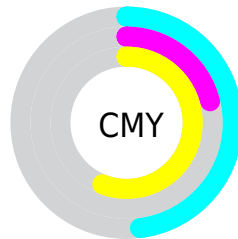


Cyan (34%)

Magenta (0%)

Yellow (45%)

Black (21%)



Cyan (48%)

Magenta (21%)

Yellow (56%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 33.2716, 47.8265, 22.5168 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 33.2716, 47.8265, 22.5168 by changing the saturation by 10% instead.

■ 33.2716, 47.8265,
22.5168

■ 33.2716, 47.8265,
22.5168

308.5152,
378.1040, 278.2744

■ 22.4948, 33.6895,
14.0352

■ 64.1512, 86.9460,
48.5118

■ 14.3396, 22.6552,
8.0061

■ 84.9847, 112.6973,
66.8622

■ 8.4405, 14.3391,
4.0110

■ 109.9011,
143.0889, 89.3394

■ 4.4322, 8.3569,
1.6314

■ 139.2659,
178.5051, 116.3617

■ 1.9495, 4.3242,
0.3131

173.4443,
219.3303, 148.3479

■ 0.6053, 1.8565,
0.0000

212.8018,

■ 0.0000, 0.5220,

265.9489, 185.7164

0.0000

257.7036,
318.7454, 228.8857

■ 0.0000, 0.0000,
0.0000

■ 33.2716, 47.8265,
22.5168

■ 33.2716, 47.8265,
22.5168

■ 30.0528, 46.2824,
17.2249

■ 37.0979, 49.6578,
29.1390

■ 27.4054, 45.0046,
13.1703

■ 41.5579, 51.7840,
37.1698

■ 25.2950, 43.9790,
10.2532


■ 46.6809, 54.2197,
46.6852


■ 23.6813, 43.1875,
8.3568


■ 52.4930, 56.9769,
57.7548


■ 22.5178, 42.6089,
7.3392

■ 59.0189, 60.0670,
70.4437

 22.0551, 42.3771,
7.0172

 66.2821, 63.5008,
84.8136

 74.3050, 67.2885,
100.9227

 80.1776, 70.2552,
103.9425

Harmonies

Analogous

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



40.6218, 47.8265, 15.3383



33.2716, 47.8265, 22.5168



29.4898, 47.8265, 39.5462

Triad

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



33.2716, 47.8265, 22.5168



40.8418, 47.8265, 124.1268



66.2652, 47.8265, 38.9847

Complementary

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



33.2716, 47.8265, 22.5168



35.0517, 25.2907, 58.2951

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.



66.3468, 47.8265, 67.0044



33.2716, 47.8265, 22.5168



50.6628, 47.8265, 123.8030

Square

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



33.2716, 47.8265, 22.5168



33.4125, 47.8265, 100.9770



60.3060, 47.8265, 100.2074



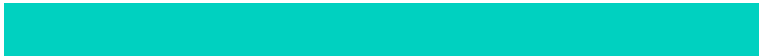
60.0971, 47.8265, 22.2343

Rectangle

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



33.2716, 47.8265, 22.5168



29.0939, 47.8265, 57.3166



60.3060, 47.8265, 100.2074



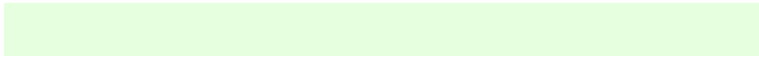
67.0319, 47.8265, 47.1630

Sweetspot

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



33.2728, 47.8285, 22.5179



81.4245, 93.5401, 82.7654



43.2799, 46.2099, 21.6780



16.9774, 19.8074, 16.8659



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.



33.2728, 47.8285, 22.5179



51.4609, 79.2411, 29.5051



31.8169, 46.9043, 30.2993



10.7252, 12.0053, 11.3147



13.9348, 26.6790, 4.4151



0.7261, 1.2974, 0.2122

Inverse Universe

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



35.0517, 25.2907, 58.2951



54.8389, 35.6805, 98.6044



37.7094, 26.9620, 44.8136



10.8319, 10.6871, 13.4094



15.1044, 7.0209, 35.3034



0.7757, 0.3637, 1.6744

Previews

White Background



This preview shows how the XYZ color 33.2716, 47.8265, 22.5168 looks on a white background.

Color Contrast Check

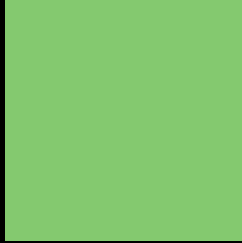
Large Text (above 18pt) WCAG AA × Fail

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 33.2716, 47.8265, 22.5168 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

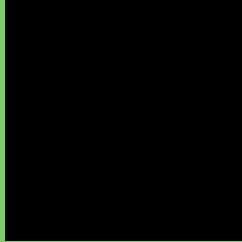
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 33.2716, 47.8265, 22.5168

Background



This preview shows how black text looks on a background with the XYZ color 33.2716, 47.8265, 22.5168.



This preview shows how white text looks on a background with the XYZ color 33.2716, 47.8265,

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

33.2716, 47.8265, 22.5168

Protanopia

43.5196, 47.2840, 19.9297

Deuteranopia

48.0561, 47.1599, 23.3996



Tritanopia

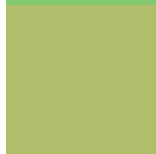
41.6456, 47.5306, 64.7370

Trichromacy



Original Color

33.2716, 47.8265, 22.5168



Protanomaly

38.9718, 47.1186, 20.9507



Deuteranomaly

40.9740, 46.2102, 22.9795



Tritanomaly

37.7978, 47.2746, 45.6608

Monochromacy



Original Color

33.2716, 47.8265, 22.5168



Achromatopsia

38.2080, 40.1978, 43.7754



Achromatomaly

35.6590, 42.2856, 34.7163

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.2716, 47.8265, 22.5168 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(132, 201, 111)` looks like.

```
.text, #text, p{  
    color:rgb(132, 201, 111)  
}
```

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(132, 201, 111) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(132, 201, 111) }
```

Border

The CSS property to change the border of an element to XYZ 33.2716, 47.8265, 22.5168 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(132, 201, 111) }
```


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

```
.border{ border-color:rgb(132, 201, 111) }
```

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

Here you see how a box with a 4 pixel `rgb(132, 201, 111)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(132, 201, 111); -webkit-box-  
shadow:4px 4px 4px 4px rgb(132, 201, 111);  
box-shadow:4px 4px 4px 4px rgb(132, 201,  
111) }
```

Background

The CSS property to change the background color of an element to XYZ 33.2716, 47.8265, 22.5168 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(132, 201, 111) }
```

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

```
.background{ background-color: rgb(132,  
201, 111) }
```

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