

Converting Colors

XYZ(33.9216, 47.3259, 32.4836)

Have a look what the booklet for
XYZ(33.9216, 47.3259, 32.4836)
contains.

XYZ(33.8353, 47.2056, 32.5276)	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(33.8353, 47.2056,
32.5276)**

Conversions

Conversions Part 1

Format	Color
Hex	7EC78D
RGB	126, 199, 141
RGB Percent	49%, 78%, 55%
CMY	0.5059, 0.2196, 0.4471
CMYK	0.37, 0.00, 0.29, 0.22
HSL	132°, 39%, 64%
HSV	132°, 37%, 78%
XYZ	33.8353, 47.2056, 32.5276
YIQ	170.5610, -24.8900, -33.5140

Conversions

Conversions Part 2

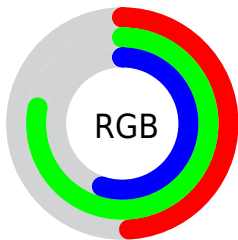
Format	Color
RYB	126, 187, 199
Decimal	8308621
CIELab	74.32, -34.95, 22.03
CIELCh	74, 41.315, 147.781
Yxy	47.2056, 0.2979, 0.4157
Android (android.graphics.Color)	4286498701 (0xFF7EC78D)
YUV	170.5610, -14.5736, -39.0800
Hunter-Lab	68.7063, -32.3315, 20.0248

Details

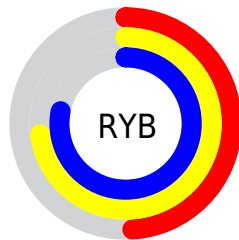
The XYZ color **33.8353, 47.2056, 32.5276** is a light color, and the websafe version is hex **66CC99**. A complement of this color would be **39.6673, 30.5254, 49.1503**, and the grayscale version is **38.5692, 40.5778, 44.1892**.

A 20% lighter version of the original color is **64.6664, 85.2839, 64.6829**, and **14.7185, 22.4055, 13.2218** is the 20% darker color. If you saturate the color by 10%, you get **30.0940, 45.4046, 26.6438**, and if you desaturate by 10%, it is **38.3307, 49.3786, 39.3255**.

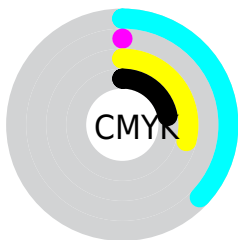
Distribution



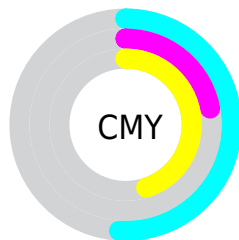
- Red (49%)
- Green (78%)
- Blue (55%)



- Red (49%)
- Yellow (73%)
- Blue (78%)



- Cyan (37%)
- Magenta (0%)
- Yellow (29%)
- Black (22%)





- Cyan (51%)
- Magenta (22%)
- Yellow (45%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 33.8353, 47.2056, 32.5276 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 33.8353, 47.2056, 32.5276 by changing the saturation by 10% instead.

 33.8353, 47.2056,
32.5276


 33.8353, 47.2056,
32.5276


310.9959,
375.6346, 328.0822


 22.9294, 33.1982,
21.4967

 65.0235, 86.0204,
64.7448

 14.6618, 22.2783,
13.2928


 86.0364, 111.5967,
86.7681

 8.6671, 14.0616,
7.4974


 111.1491,
141.7980, 113.2926

 4.5801, 8.1635,
3.6919

140.7269,
177.0088, 144.7369

 2.0352, 4.1997,
1.4579

175.1351,
217.6135, 181.5194

 0.6536, 1.7859,
0.1863

214.7391,

 0.0000, 0.4784,

263.9964, 224.0588

0.0000

259.9042,
316.5420, 272.7735

■ 0.0000, 0.0000,
0.0000

■ 33.8353, 47.2056,
32.5276

■ 33.8353, 47.2056,
32.5276

■ 30.0940, 45.4046,
26.6438

■ 38.3307, 49.3786,
39.3255

■ 27.0614, 43.9490,
21.6321

■ 43.6152, 51.9369,
47.0709

■ 24.6924, 42.8179,
17.4517


■ 49.7259, 54.9002,
55.7994


■ 22.9356, 41.9855,
14.0574


■ 56.6964, 58.2852,
65.5439


■ 21.7312, 41.4222,
11.3996


■ 64.5586, 62.1076,
76.3356

 21.0028, 41.0896,
9.4229

 73.3427, 66.3823,
88.2045

 20.8227, 41.0081,
8.9059

 79.1844, 69.1168,
100.9972

 79.7144, 69.3287,
103.7881

Harmonies

Analogous

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



38.5336, 47.2056, 23.0360



33.8353, 47.2056, 32.5276



32.0541, 47.2056, 49.8311

Triad

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



33.8353, 47.2056, 32.5276



44.3167, 47.2056, 104.0720



58.7290, 47.2056, 34.5921

Complementary

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



33.8353, 47.2056, 32.5276



39.6673, 30.5254, 49.1503

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.



60.7081, 47.2056, 52.9992



33.8353, 47.2056, 32.5276



51.8600, 47.2056, 96.7528

Square

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



33.8353, 47.2056, 32.5276



37.6745, 47.2056, 94.3580



58.0697, 47.2056, 76.4404



52.9223, 47.2056, 23.9762

Rectangle

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



33.8353, 47.2056, 32.5276



32.5938, 47.2056, 64.9311



58.0697, 47.2056, 76.4404



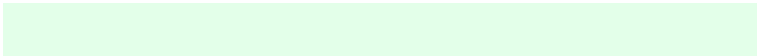
59.8902, 47.2056, 39.8909

Sweetspot

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



33.8365, 47.2076, 32.5287



82.0899, 93.7096, 90.6378



44.0543, 52.5954, 27.5689



17.2564, 19.9053, 18.9511



0.0000, 0.0000, 0.0000



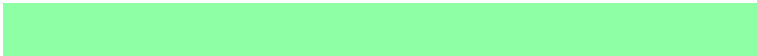
20.3446, 21.4041, 23.3091

Same Dimension

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



33.8365, 47.2076, 32.5287



53.9228, 80.0897, 48.6238



36.9748, 48.4629, 49.0544



10.5851, 11.9229, 11.7655



13.4148, 26.3783, 5.8630



0.6620, 1.2597, 0.4189

Inverse Universe

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



39.6673, 30.5254, 49.1503



65.5901, 46.6680, 81.8534



36.3528, 29.1996, 31.6963



10.9861, 10.7778, 12.9102



19.1520, 9.4104, 21.8082



0.9311, 0.4553, 1.1604

Previews

White Background



This preview shows how the XYZ color 33.8353, 47.2056, 32.5276 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 33.8353, 47.2056, 32.5276 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 33.8353, 47.2056, 32.5276

Background



This preview shows how black text looks on a background with the XYZ color 33.8353, 47.2056, 32.5276.



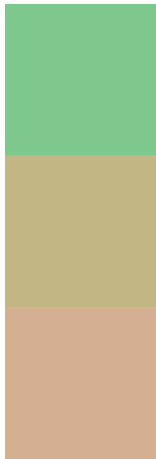
This preview shows how white text looks on a background with the XYZ color 33.8353, 47.2056,

32.5276.

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

33.8353, 47.2056, 32.5276

Protanopia

43.4673, 46.7515, 28.9233

Deuteranopia

47.6697, 46.7323, 33.7019



Tritanopia

40.4188, 47.2068, 65.3740

Trichromacy



Original Color

33.8353, 47.2056, 32.5276



Protanomaly

39.0047, 46.2901, 30.1717



Deuteranomaly

41.2306, 46.1184, 33.1142



Tritanomaly

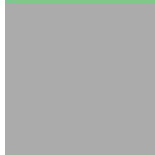
37.5668, 47.0293, 51.3536

Monochromacy



Original Color

33.8353, 47.2056, 32.5276



Achromatopsia

38.7082, 40.7240, 44.3485



Achromatomaly

36.3866, 42.5544, 39.5537

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.8353, 47.2056, 32.5276 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(126, 199, 141)` looks like.

```
.text, #text, p{  
    color:rgb(126, 199, 141)  
}
```

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(126, 199, 141) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(126, 199, 141) }
```

Border

The CSS property to change the border of an element to XYZ 33.8353, 47.2056, 32.5276 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(126, 199, 141) }
```


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

```
.border{ border-color:rgb(126, 199, 141) }
```

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

Here you see how a box with a 4 pixel `rgb(126, 199, 141)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(126, 199, 141); -webkit-box-  
shadow:4px 4px 4px 4px rgb(126, 199, 141);  
box-shadow:4px 4px 4px 4px rgb(126, 199,  
141) }
```

Background

The CSS property to change the background color of an element to XYZ 33.8353, 47.2056, 32.5276 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(126, 199, 141) }
```

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

```
.background{ background-color: rgb(126,  
199, 141) }
```

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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