

Converting Colors

XYZ(32.7714, 52.2706, 33.1289)

Have a look what the booklet for
XYZ(32.7714, 52.2706, 33.1289)
contains.

XYZ(32.8718, 52.4728, 33.2067)	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(32.8718, 52.4728,
33.2067)**

Conversions

Conversions Part 1

Format	Color
Hex	56D78C
RGB	86, 215, 140
RGB Percent	34%, 84%, 55%
CMY	0.6627, 0.1568, 0.4510
CMYK	0.60, 0.00, 0.35, 0.16
HSL	145°, 62%, 59%
HSV	145°, 60%, 84%
XYZ	32.8718, 52.4728, 33.2067
YIQ	167.8790, -52.8090, -50.6730

Conversions

Conversions Part 2

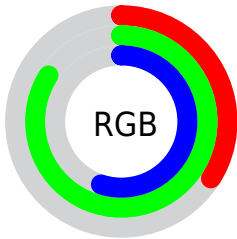
Format	Color
RYB	86, 177, 215
Decimal	5691276
CIELab	77.56, -52.32, 26.69
CIELCh	78, 58.737, 152.971
Yxy	52.4728, 0.2773, 0.4426
Android (android.graphics.Color)	4283881356 (0xFF56D78C)
YUV	167.8790, -13.7443, -71.8079
Hunter-Lab	72.4381, -45.7649, 23.5273

Details

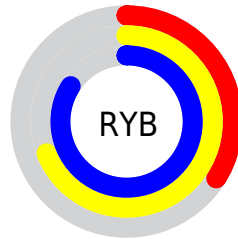
The XYZ color **32.8718, 52.4728, 33.2067** is a dark color, and the websafe version is hex **33CC99**. The color can be described as middle muted spring green. A complement of this color would be **37.7868, 23.6769, 36.2984**, and the grayscale version is **37.2450, 39.1847, 42.6721**.

A 20% lighter version of the original color is **57.3517, 81.5260, 63.7523**, and **14.2013, 25.5175, 13.6281** is the 20% darker color. If you saturate the color by 10%, you get **30.3121, 51.2552, 28.5463**, and if you desaturate by 10%, it is **36.1342, 54.0434, 38.4490**.

Distribution



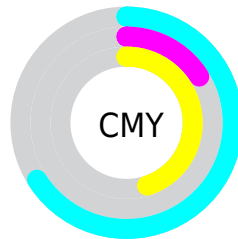
- Red (34%)
- Green (84%)
- Blue (55%)



- Red (34%)
- Yellow (69%)
- Blue (84%)



- Cyan (60%)
- Magenta (0%)
- Yellow (35%)
- Black (16%)





- Cyan (66%)
- Magenta (16%)
- Yellow (45%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 32.8718, 52.4728, 33.2067 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 32.8718, 52.4728, 33.2067 by changing the saturation by 10% instead.


 32.8718, 52.4728,
33.2067


 32.8718, 52.4728,
33.2067


306.7469,
396.2592, 331.2406


 22.1870, 37.3821,
22.0124


 63.5313, 93.8281,
65.8178


 14.1118, 25.5035,
13.6676


 84.2368, 120.8616,
88.0718

 8.2807, 16.4525,
7.7538

 109.0132,
152.6446, 114.8493

 4.3284, 9.8449,
3.8523

 138.2259,
189.5618, 146.5691

 1.8895, 5.2963,
1.5447

172.2403,
231.9975, 183.6495

 0.5707, 2.4221,
0.2509

211.4217,

 0.0000, 0.8372,

280.3360, 226.5093

0.0000

256.1354,
334.9617, 275.5668

■ 0.0000, 0.0000,
0.0000

■ 32.8718, 52.4728,
33.2067

■ 32.8718, 52.4728,
33.2067

■ 30.3121, 51.2552,
28.5463

■ 36.1342, 54.0434,
38.4490

■ 28.3924, 50.3544,
24.4431

■ 40.1469, 55.9869,
44.2893

■ 27.0446, 49.7371,
20.8760

■ 44.9580, 58.3292,
50.7475

■ 26.1470, 49.3411,
17.8188

■ 50.6101, 61.0918,
57.8417

■ 26.1469, 49.3411,
17.8188

■ 57.1429, 64.2949,
65.5888

■ 64.5933, 67.9571,
74.0054

■ 72.9962, 72.0962,
83.1072

■ 81.2703, 76.1544,
92.8576

■ 83.1923, 76.9232,
102.9786

Harmonies

Analogous

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



38.9296, 52.4728, 19.1411



32.8718, 52.4728, 33.2067



31.1233, 52.4728, 60.4304

Triad

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



32.8718, 52.4728, 33.2067



51.0119, 52.4728, 144.8696



70.4806, 52.4728, 29.4553

Complementary

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



32.8718, 52.4728, 33.2067



37.7868, 23.6769, 36.2984

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.



74.9549, 52.4728, 53.9596



32.8718, 52.4728, 33.2067



62.6981, 52.4728, 127.1145

Square

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



32.8718, 52.4728, 33.2067



40.6119, 52.4728, 132.7078



71.9126, 52.4728, 90.4469



60.4467, 52.4728, 17.6227

Rectangle

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



32.8718, 52.4728, 33.2067



32.3804, 52.4728, 85.1155



71.9126, 52.4728, 90.4469



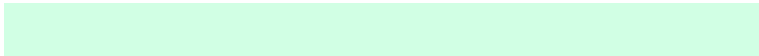
72.7481, 52.4728, 36.0746

Sweetspot

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



32.8732, 52.4749, 33.2079



76.1300, 90.7088, 87.1235



40.7302, 56.8782, 17.6364



15.7288, 19.1382, 17.9594



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.



32.8732, 52.4749, 33.2079



43.7535, 75.0210, 40.2974



39.0689, 54.9532, 65.8344



12.4759, 13.9814, 14.3205



15.6886, 29.5308, 10.9219



0.9870, 1.7975, 0.8735

Inverse Universe

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



37.7868, 23.6769, 36.2984



51.5692, 29.0377, 45.0826



33.4996, 21.9620, 13.7222



12.7230, 12.5407, 14.4814



19.0300, 9.5483, 12.7278



1.1887, 0.5923, 0.9829

Previews

White Background



This preview shows how the XYZ color 32.8718, 52.4728, 33.2067 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 32.8718, 52.4728, 33.2067 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

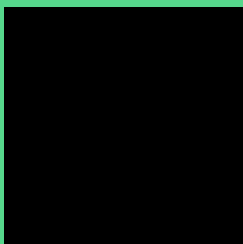
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

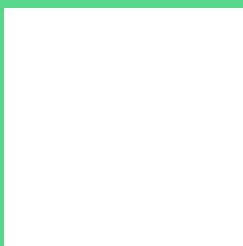
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 32.8718, 52.4728, 33.2067

Background



This preview shows how black text looks on a background with the XYZ color 32.8718, 52.4728, 33.2067.



This preview shows how white text looks on a background with the XYZ color 32.8718, 52.4728,

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

32.8718, 52.4728, 33.2067

Protanopia

47.8295, 51.5337, 28.1950

Deuteranopia

52.4258, 51.2505, 34.7330



Tritanopia

41.5717, 52.3161, 77.0142

Trichromacy



Original Color

32.8718, 52.4728, 33.2067



Protanomaly

39.5574, 50.2217, 29.7992



Deuteranomaly

41.5594, 49.4814, 33.7460



Tritanomaly

37.7944, 52.2315, 57.9589

Monochromacy



Original Color

32.8718, 52.4728, 33.2067



Achromatopsia

37.2190, 39.1572, 42.6422



Achromatomaly

34.0017, 42.5698, 38.7725

CSS Examples

Text

The CSS property to change the color of the text to XYZ 32.8718, 52.4728, 33.2067 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(86, 215, 140)` looks like.

```
.text, #text, p{  
    color:rgb(86, 215, 140)  
}
```

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(86, 215, 140) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(86, 215, 140) }
```

Border

The CSS property to change the border of an element to XYZ 32.8718, 52.4728, 33.2067 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(86, 215, 140) }
```


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

```
.border{ border-color:rgb(86, 215, 140) }
```

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

Here you see how a box with a 4 pixel `rgb(86, 215, 140)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(86, 215, 140); -webkit-box-  
shadow:4px 4px 4px 4px rgb(86, 215, 140);  
box-shadow:4px 4px 4px 4px rgb(86, 215,  
140) }
```

Background

The CSS property to change the background color of an element to XYZ 32.8718, 52.4728, 33.2067 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(86, 215, 140) }
```

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

```
.background{ background-color: rgb(86, 215,  
140) }
```

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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