

Converting Colors

XYZ(32.2240, 47.2034, 35.9249)

Have a look what the booklet for
XYZ(32.2240, 47.2034, 35.9249)
contains.

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Color

**XYZ(32.2543, 47.3540,
35.8740)**

Conversions

Conversions Part 1

Format	Color
Hex	68CA95
RGB	104, 202, 149
RGB Percent	41%, 79%, 58%
CMY	0.5921, 0.2078, 0.4157
CMYK	0.49, 0.00, 0.26, 0.21
HSL	148°, 48%, 60%
HSV	148°, 49%, 79%
XYZ	32.2543, 47.3540, 35.8740
YIQ	166.6560, -41.3950, -37.2590

Conversions

Conversions Part 2

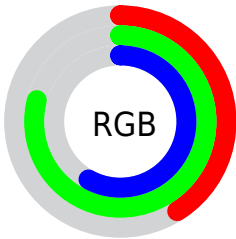
Format	Color
RYB	104, 171, 202
Decimal	6867605
CIELab	74.42, -40.97, 17.75
CIELCh	74, 44.650, 156.570
Yxy	47.3540, 0.2793, 0.4101
Android (android.graphics.Color)	4285057685 (0xFF68CA95)
YUV	166.6560, -8.7044, -54.9493
Hunter-Lab	68.8142, -36.7592, 17.2611

Details

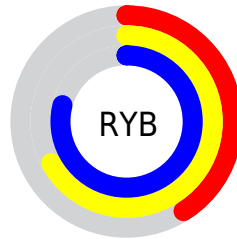
The XYZ color **32.2543, 47.3540, 35.8740** is a light color, and the websafe version is hex **66CC99**. A complement of this color would be **35.3949, 24.8927, 34.8396**, and the grayscale version is **36.6197, 38.5268, 41.9557**.

A 20% lighter version of the original color is **61.0367, 83.3054, 69.3625**, and **13.7205, 22.3072, 15.1378** is the 20% darker color. If you saturate the color by 10%, you get **29.3529, 45.9556, 31.3972**, and if you desaturate by 10%, it is **35.8017, 49.0785, 40.8103**.

Distribution



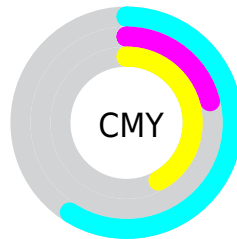
- Red (41%)
- Green (79%)
- Blue (58%)



- Red (41%)
- Yellow (67%)
- Blue (79%)



- Cyan (49%)
- Magenta (0%)
- Yellow (26%)
- Black (21%)





- Cyan (59%)
- Magenta (21%)
- Yellow (42%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 32.2543, 47.3540, 35.8740 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 32.2543, 47.3540, 35.8740 by changing the saturation by 10% instead.


 32.2543, 47.3540,
35.8740


 32.2543, 47.3540,
35.8740


304.0008,
376.2258, 343.4302


 21.7123, 33.3156,
24.0480


 62.5720, 86.2418,
70.0044


 13.7611, 22.3683,
15.1567

 83.0785, 111.8600,
93.1459

 8.0353, 14.1278,
8.7816


 107.6372,
142.1069, 120.8962

 4.1695, 8.2096,
4.5041

 136.6134,
177.3669, 153.6740

 1.7985, 4.2294,
1.9058

170.3725,
218.0243, 191.8977

 0.5168, 1.8027,
0.4964

209.2798,

 0.0000, 0.4888,

264.4637, 235.9860

0.0000

253.7008,
317.0694, 286.3573

■ 0.0000, 0.0000,
0.0000

■ 32.2543, 47.3540,
35.8740

■ 32.2543, 47.3540,
35.8740

■ 29.3529, 45.9556,
31.3972

■ 35.8017, 49.0785,
40.8103

■ 27.0506, 44.8557,
27.3629

■ 40.0301, 51.1430,
46.2158

■ 25.3002, 44.0313,
23.7577


■ 44.9766, 53.5678,
52.1042


■ 24.0447, 43.4534,
20.5662

■ 50.6741, 56.3696,
58.4873


■ 23.1963, 43.0770,
17.7707


■ 57.1538, 59.5642,
65.3769

 23.0863, 43.0287,
17.3875

 64.4448, 63.1665,
72.7840

 72.5748, 67.1905,
80.7194

 77.5601, 69.5822,
89.0059

 79.2003, 70.2383,
97.6430

Harmonies

Analogous

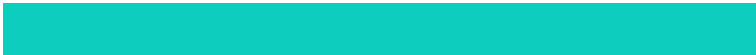
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



36.4066, 47.3540, 23.5360



32.2543, 47.3540, 35.8740



31.3233, 47.3540, 56.7973

Triad

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



32.2543, 47.3540, 35.8740



46.8018, 47.3540, 109.2846



58.6110, 47.3540, 29.4125

Complementary

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



32.2543, 47.3540, 35.8740



35.3949, 24.8927, 34.8396

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.



62.1921, 47.3540, 46.6558



32.2543, 47.3540, 35.8740



54.8688, 47.3540, 95.9549

Square

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



32.2543, 47.3540, 35.8740



39.1333, 47.3540, 103.8302



60.7470, 47.3540, 71.2596



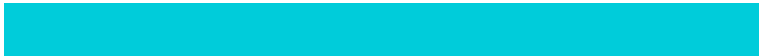
51.4443, 47.3540, 20.6570

Rectangle

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



32.2543, 47.3540, 35.8740



32.5420, 47.3540, 74.0241



60.7470, 47.3540, 71.2596



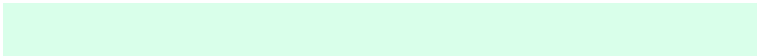
60.3106, 47.3540, 34.1742

Sweetspot

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



32.2556, 47.3559, 35.8751



79.1973, 92.1920, 91.6987



37.7017, 50.5015, 20.8581



16.5267, 19.5241, 19.1437



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.



32.2556, 47.3559, 35.8751



49.5744, 77.7476, 52.9572



36.9205, 49.2219, 60.4404



11.2787, 12.6212, 13.0251



14.8991, 27.7049, 11.4194



0.8068, 1.4445, 0.7900

Inverse Universe

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



35.3949, 24.8927, 34.8396



55.4873, 35.3879, 50.9696



32.0638, 23.5603, 17.2982



11.4618, 11.3134, 12.9664



17.5038, 8.8121, 10.3716



0.9410, 0.4698, 0.7354

Previews

White Background



This preview shows how the XYZ color 32.2543, 47.3540, 35.8740 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 32.2543, 47.3540, 35.8740 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

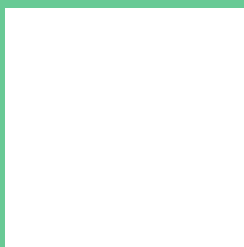
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 32.2543, 47.3540, 35.8740

Background



This preview shows how black text looks on a background with the XYZ color 32.2543, 47.3540, 35.8740.



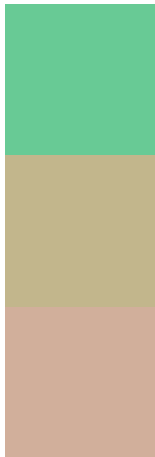
This preview shows how white text looks on a background with the XYZ color 32.2543, 47.3540,

35.8740.

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

32.2543, 47.3540, 35.8740

Protanopia

43.7097, 46.8187, 31.5441

Deuteranopia

47.5409, 46.5818, 37.4959



Tritanopia

38.6704, 47.2298, 68.0509

Trichromacy



Original Color

32.2543, 47.3540, 35.8740



Protanomaly

37.8535, 45.9554, 32.8618



Deuteranomaly

39.8933, 45.6558, 36.8468



Tritanomaly

35.9828, 47.1408, 54.7795

Monochromacy



Original Color

32.2543, 47.3540, 35.8740



Achromatopsia

36.7301, 38.6429, 42.0822



Achromatomaly

34.1680, 41.1099, 39.3919

CSS Examples

Text

The CSS property to change the color of the text to XYZ 32.2543, 47.3540, 35.8740 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(104, 202, 149)` looks like.

```
.text, #text, p{  
    color:rgb(104, 202, 149)  
}
```

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(104, 202, 149) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(104, 202, 149) }
```

Border

The CSS property to change the border of an element to XYZ 32.2543, 47.3540, 35.8740 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(104, 202, 149) }
```


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

```
.border{ border-color:rgb(104, 202, 149) }
```

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

Here you see how a box with a 4 pixel `rgb(104, 202, 149)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(104, 202, 149); -webkit-box-shadow:4px 4px 4px 4px rgb(104, 202, 149); box-shadow:4px 4px 4px 4px rgb(104, 202, 149) }
```

Background

The CSS property to change the background color of an element to XYZ 32.2543, 47.3540, 35.8740 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(104, 202, 149) }
```

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

```
.background{ background-color: rgb(104,  
202, 149) }
```

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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