

Converting Colors

XYZ(32.7336, 49.0437, 43.6974)

Have a look what the booklet for
XYZ(32.7336, 49.0437, 43.6974)
contains.

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Color

**XYZ(32.8519, 49.2636,
43.8538)**

Conversions

Conversions Part 1

Format	Color
Hex	54CFA6
RGB	84, 207, 166
RGB Percent	33%, 81%, 65%
CMY	0.6706, 0.1882, 0.3490
CMYK	0.59, 0.00, 0.20, 0.19
HSL	160°, 56%, 57%
HSV	160°, 59%, 81%
XYZ	32.8519, 49.2636, 43.8538
YIQ	165.5490, -60.1470, -38.8270

Conversions

Conversions Part 2

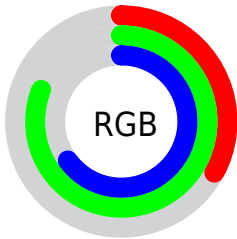
Format	Color
RYB	84, 158, 207
Decimal	5558182
CIELab	75.62, -44.00, 10.26
CIELCh	76, 45.177, 166.877
Yxy	49.2636, 0.2608, 0.3911
Android (android.graphics.Color)	4283748262 (0xFF54CFA6)
YUV	165.5490, 0.2223, -71.5185
Hunter-Lab	70.1880, -39.2811, 12.0870

Details

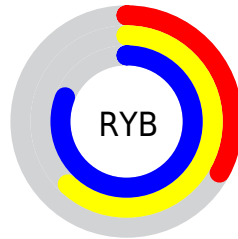
The XYZ color **32.8519, 49.2636, 43.8538** is a light color, and the websafe version is hex **66CC99**. The color can be described as light muted spring green. A complement of this color would be **32.6057, 21.0879, 21.7557**, and the grayscale version is **36.0489, 37.9262, 41.3016**.

A 20% lighter version of the original color is **60.3127, 82.6698, 81.1847**, and **14.2655, 23.6714, 19.7368** is the 20% darker color. If you saturate the color by 10%, you get **30.6498, 48.2008, 40.5353**, and if you desaturate by 10%, it is **35.6380, 50.6260, 47.3791**.

Distribution



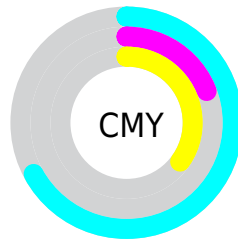
- Red (33%)
- Green (81%)
- Blue (65%)



- Red (33%)
- Yellow (62%)
- Blue (81%)



- Cyan (59%)
- Magenta (0%)
- Yellow (20%)
- Black (19%)





- Cyan (67%)
- Magenta (19%)
- Yellow (35%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 32.8519, 49.2636, 43.8538 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 32.8519, 49.2636, 43.8538 by changing the saturation by 10% instead.


 32.8519, 49.2636,
43.8538


 32.8519, 49.2636,
43.8538


306.6587,
383.7791, 378.1352


 22.1717, 34.8286,
30.2192


 63.5005, 89.0828,
82.2978


 14.1004, 23.5309,
19.7516


 84.1996, 115.2359,
107.9444

 8.2727, 14.9860,
12.0323


 108.9690,
146.0637, 138.4320

 4.3232, 8.8096,
6.6429

 138.1741,
181.9508, 174.1793

 1.8866, 4.6172,
3.1647

172.1803,
223.2815, 215.6047

 0.5690, 2.0244,
1.1794

211.3529,

 0.0000, 0.6216,

270.4402, 263.1268

0.0000

256.0572,
323.8113, 317.1641

■ 0.0000, 0.0000,
0.0000

■ 32.8519, 49.2636,
43.8538

■ 32.8519, 49.2636,
43.8538

■ 30.6498, 48.2008,
40.5353

■ 35.6380, 50.6260,
47.3791

■ 28.9773, 47.4060,
37.4152

■ 39.0484, 52.3050,
51.1125

■ 27.7765, 46.8504,
34.4888

■ 43.1242, 54.3231,
55.0597

■ 26.9452, 46.4817,
31.7487

■ 47.9020, 56.6988,
59.2250

■ 26.9011, 46.4623,
31.5948

■ 53.4154, 59.4497,
63.6125

■ 59.6960, 62.5919,
68.2261

■ 66.7734, 66.1405,
73.0696

■ 74.6756, 70.1101,
78.1467

■ 77.5719, 71.4946,
83.1869

Harmonies

Analogous

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



36.0463, 49.2636, 27.9288



32.8519, 49.2636, 43.8538



33.0675, 49.2636, 68.1412

Triad

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



32.8519, 49.2636, 43.8538



51.6456, 49.2636, 110.8354



58.6903, 49.2636, 26.5719

Complementary

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



32.8519, 49.2636, 43.8538



32.6057, 21.0879, 21.7557

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.



63.9468, 49.2636, 41.3570



32.8519, 49.2636, 43.8538



59.5597, 49.2636, 91.6523

Square

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



32.8519, 49.2636, 43.8538



43.2688, 49.2636, 112.1059



64.2827, 49.2636, 64.7828



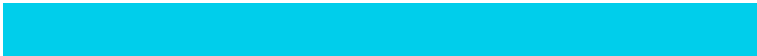
50.5679, 49.2636, 20.1430

Rectangle

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



32.8519, 49.2636, 43.8538



35.1090, 49.2636, 86.2700



64.2827, 49.2636, 64.7828



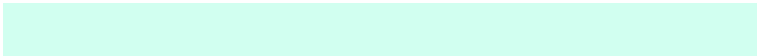
60.8911, 49.2636, 30.4899

Sweetspot

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



32.8533, 49.2656, 43.8549



77.7663, 91.3633, 95.7403



32.6744, 49.7836, 16.2753



16.1279, 19.2979, 20.0610



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.



32.8533, 49.2656, 43.8549



48.3907, 76.8981, 63.7134



33.0211, 42.5935, 65.5147



11.9838, 13.3373, 14.2713



16.9937, 29.2904, 20.1450



0.9862, 1.6521, 1.3160

Inverse Universe

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



32.6057, 21.0879, 21.7557



48.0097, 27.8806, 25.5161



32.1296, 23.4982, 11.2305



11.9690, 11.8723, 13.1124



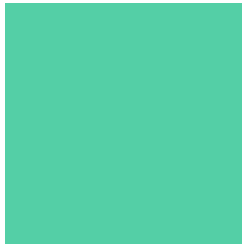
16.9287, 8.6443, 4.5308



0.9831, 0.4979, 0.4457

Previews

White Background



This preview shows how the XYZ color 32.8519, 49.2636, 43.8538 looks on a white background.

Color Contrast Check

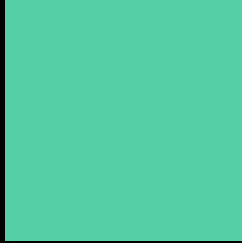
Large Text (above 18pt) WCAG AA × Fail

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 32.8519, 49.2636, 43.8538 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

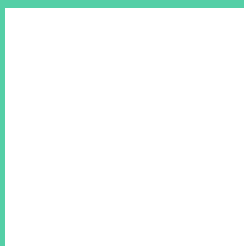
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 32.8519, 49.2636, 43.8538

Background



This preview shows how black text looks on a background with the XYZ color 32.8519, 49.2636, 43.8538.



This preview shows how white text looks on a background with the XYZ color 32.8519, 49.2636,

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

32.8519, 49.2636, 43.8538

Protanopia

45.7710, 48.6666, 37.9915

Deuteranopia

49.5789, 48.6287, 45.8029



Tritanopia

38.5284, 49.0912, 72.4106

Trichromacy



Original Color

32.8519, 49.2636, 43.8538



Protanomaly

38.8455, 47.6117, 39.9435



Deuteranomaly

40.5576, 47.0840, 44.9807



Tritanomaly

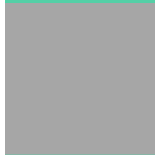
36.2683, 49.2220, 61.0153

Monochromacy



Original Color

32.8519, 49.2636, 43.8538



Achromatopsia

36.2450, 38.1326, 41.5264



Achromatomaly

33.5602, 41.0352, 42.2282

CSS Examples

Text

The CSS property to change the color of the text to XYZ 32.8519, 49.2636, 43.8538 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(84, 207, 166)` looks like.

```
.text, #text, p{  
    color:rgb(84, 207, 166)  
}
```

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(84, 207, 166) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(84, 207, 166) }
```

Border

The CSS property to change the border of an element to XYZ 32.8519, 49.2636, 43.8538 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(84, 207, 166) }
```


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

```
.border{ border-color:rgb(84, 207, 166) }
```

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

Here you see how a box with a 4 pixel `rgb(84, 207, 166)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(84, 207, 166); -webkit-box-shadow:4px 4px 4px 4px rgb(84, 207, 166); box-shadow:4px 4px 4px 4px rgb(84, 207, 166) }
```

Background

The CSS property to change the background color of an element to XYZ 32.8519, 49.2636, 43.8538 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(84, 207, 166) }
```

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

```
.background{ background-color: rgb(84, 207,  
166) }
```

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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