

Converting Colors

XYZ(32.6467, 48.8711, 32.7495)

Have a look what the booklet for
XYZ(32.6467, 48.8711, 32.7495)
contains.

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Color

**XYZ(32.8229, 49.1299,
32.9524)**

Conversions

Conversions Part 1

Format	Color
Hex	6ACE8D
RGB	106, 206, 141
RGB Percent	42%, 81%, 55%
CMY	0.5843, 0.1921, 0.4471
CMYK	0.49, 0.00, 0.32, 0.19
HSL	141°, 51%, 61%
HSV	141°, 49%, 81%
XYZ	32.8229, 49.1299, 32.9524
YIQ	168.6900, -38.7350, -41.4150

Conversions

Conversions Part 2

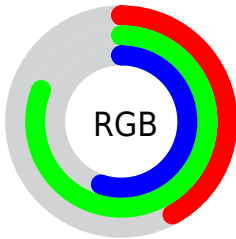
Format	Color
RYB	106, 180, 206
Decimal	6999693
CIELab	75.53, -43.74, 23.54
CIELCh	76, 49.673, 151.718
Yxy	49.1299, 0.2857, 0.4276
Android (android.graphics.Color)	4285189773 (0xFF6ACE8D)
YUV	168.6900, -13.6512, -54.9791
Hunter-Lab	70.0927, -39.0746, 21.1911

Details

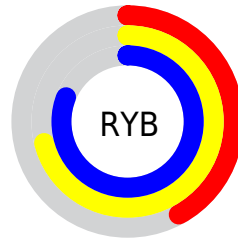
The XYZ color **32.8229, 49.1299, 32.9524** is a dark color, and the websafe version is hex **66CC99**. A complement of this color would be **37.9599, 26.3712, 41.6193**, and the grayscale version is **37.6390, 39.5991, 43.1234**.

A 20% lighter version of the original color is **60.7146, 83.2467, 64.4980**, and **14.0844, 23.4757, 13.4618** is the 20% darker color. If you saturate the color by 10%, you get **29.7259, 47.6429, 27.9176**, and if you desaturate by 10%, it is **36.6310, 50.9722, 38.6515**.

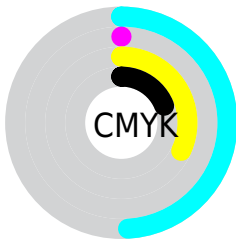
Distribution



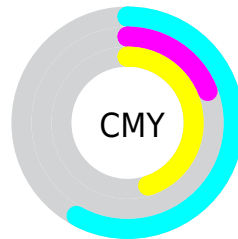
- Red (42%)
- Green (81%)
- Blue (55%)



- Red (42%)
- Yellow (71%)
- Blue (81%)



- Cyan (49%)
- Magenta (0%)
- Yellow (32%)
- Black (19%)





- Cyan (58%)
- Magenta (19%)
- Yellow (45%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 32.8229, 49.1299, 32.9524 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 32.8229, 49.1299, 32.9524 by changing the saturation by 10% instead.


 32.8229, 49.1299,
32.9524


 32.8229, 49.1299,
32.9524


306.5301,
383.2535, 330.0606


 22.1494, 34.7225,
21.8192


 63.4555, 88.8844,
65.4164


 14.0839, 23.4492,
13.5270


 84.1452, 115.0002,
87.5842

 8.2612, 14.9256,
7.6575

 108.9045,
145.7877, 114.2672

 4.3157, 8.7672,
3.7920

 138.0985,
181.6313, 145.8841

 1.8823, 4.5896,
1.5119

172.0928,
222.9152, 182.8534

 0.5665, 2.0086,
0.2268

211.2525,

 0.0000, 0.6124,

270.0240, 225.5935

0.0000

255.9432,
323.3419, 274.5231

■ 0.0000, 0.0000,
0.0000

■ 32.8229, 49.1299,
32.9524

■ 32.8229, 49.1299,
32.9524

■ 29.7259, 47.6429,
27.9176

■ 36.6310, 50.9722,
38.6515

■ 27.2889, 46.4815,
23.5193

■ 41.1889, 53.1853,
45.0347

■ 25.4603, 45.6207,
19.7324


■ 46.5370, 55.7910,
52.1252

■ 24.1779, 45.0292,
16.5287


■ 52.7118, 58.8076,
59.9441


■ 23.3475, 44.6589,
13.8770


■ 59.7473, 62.2521,
68.5115

 23.2452, 44.6137,
13.5343

 67.6755, 66.1409,
77.8468

 76.5269, 70.4891,
87.9686

 80.2749, 72.1896,
98.6115

 81.3622, 72.6245,
104.3374

Harmonies

Analogous

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



38.0241, 49.1299, 21.0035



32.8229, 49.1299, 32.9524



31.1924, 49.1299, 55.0226

Triad

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



32.8229, 49.1299, 32.9524



47.2272, 49.1299, 121.5345



63.3640, 49.1299, 31.0900

Complementary

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



32.8229, 49.1299, 32.9524



37.9599, 26.3712, 41.6193

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.



66.6378, 49.1299, 51.9942



32.8229, 49.1299, 32.9524



56.5965, 49.1299, 108.9939

Square

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



32.8229, 49.1299, 32.9524



38.8282, 49.1299, 111.4455



64.0142, 49.1299, 81.1745



55.5619, 49.1299, 20.2021

Rectangle

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



32.8229, 49.1299, 32.9524



32.1527, 49.1299, 74.4470



64.0142, 49.1299, 81.1745



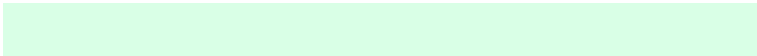
65.0733, 49.1299, 36.8952

Sweetspot

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



32.8242, 49.1319, 32.9535



78.6032, 91.9543, 88.5702



41.8345, 54.0318, 21.8604



16.3843, 19.4672, 18.3938



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.



32.8242, 49.1319, 32.9535



48.0817, 77.1505, 45.0966



37.2382, 50.8975, 56.1976



11.2275, 12.6007, 12.7553



14.3548, 27.4872, 8.5536



0.7763, 1.4323, 0.6296

Inverse Universe

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



37.9599, 26.3712, 41.6193



57.3157, 36.1193, 60.5981



34.1633, 24.8526, 21.6268



11.5143, 11.3345, 13.2429



18.3664, 9.1571, 14.9139



0.9826, 0.4864, 0.9541

Previews

White Background



This preview shows how the XYZ color 32.8229, 49.1299, 32.9524 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 32.8229, 49.1299, 32.9524 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

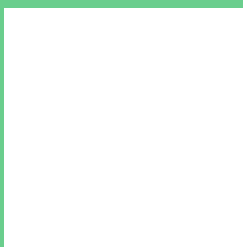
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 32.8229, 49.1299, 32.9524

Background



This preview shows how black text looks on a background with the XYZ color 32.8229, 49.1299, 32.9524.



This preview shows how white text looks on a background with the XYZ color 32.8229, 49.1299,

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

32.8229, 49.1299, 32.9524

Protanopia

45.0670, 48.5060, 28.8171

Deuteranopia

49.5058, 48.5463, 34.3649



Tritanopia

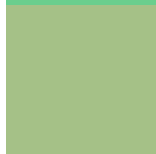
40.2887, 49.0217, 70.2895

Trichromacy



Original Color

32.8229, 49.1299, 32.9524



Protanomaly

38.9602, 47.8885, 30.1117



Deuteranomaly

40.9986, 47.2409, 33.7456



Tritanomaly

36.9600, 48.6783, 54.4616

Monochromacy



Original Color

32.8229, 49.1299, 32.9524



Achromatopsia

37.7116, 39.6755, 43.2066



Achromatomaly

34.8400, 42.0701, 39.0850

CSS Examples

Text

The CSS property to change the color of the text to XYZ 32.8229, 49.1299, 32.9524 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(106, 206, 141)` looks like.

```
.text, #text, p{  
    color:rgb(106, 206, 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(106, 206, 141) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(106, 206, 141) }
```

Border

The CSS property to change the border of an element to XYZ 32.8229, 49.1299, 32.9524 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(106, 206, 141) }
```


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

```
.border{ border-color:rgb(106, 206, 141) }
```

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

Here you see how a box with a 4 pixel `rgb(106, 206, 141)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(106, 206, 141); -webkit-box-shadow:4px 4px 4px 4px rgb(106, 206, 141); box-shadow:4px 4px 4px 4px rgb(106, 206, 141) }
```

Background

The CSS property to change the background color of an element to XYZ 32.8229, 49.1299, 32.9524 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(106, 206, 141) }
```

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

```
.background{ background-color: rgb(106,  
206, 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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