

Converting Colors

XYZ(32.7828, 50.5398, 19.1395)

Have a look what the booklet for
XYZ(32.7828, 50.5398, 19.1395)
contains.

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Color

**XYZ(32.7969, 50.5104,
19.0872)**

Conversions

Conversions Part 1

Format	Color
Hex	79D160
RGB	121, 209, 96
RGB Percent	47%, 82%, 38%
CMY	0.5255, 0.1804, 0.6235
CMYK	0.42, 0.00, 0.54, 0.18
HSL	107°, 55%, 60%
HSV	107°, 54%, 82%
XYZ	32.7969, 50.5104, 19.0872
YIQ	169.8060, -16.1750, -53.7990

Conversions

Conversions Part 2

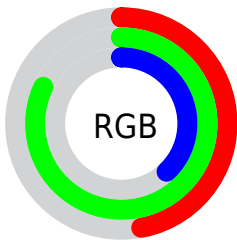
Format	Color
RYB	96, 209, 184
Decimal	7983456
CIELab	76.38, -47.50, 47.35
CIElCh	76, 67.064, 135.091
Yxy	50.5104, 0.3203, 0.4933
Android (android.graphics.Color)	4286173536 (0xFF79D160)
YUV	169.8060, -36.3864, -42.8029
Hunter-Lab	71.0707, -42.0015, 33.8262

Details

The XYZ color **32.7969, 50.5104, 19.0872** is a dark color, and the websafe version is hex **66CC66**. A complement of this color would be **35.4612, 23.1612, 62.9259**, and the grayscale version is **38.2942, 40.2885, 43.8741**.

A 20% lighter version of the original color is **59.5449, 83.1549, 41.3459**, and **14.1246, 24.3830, 6.3448** is the 20% darker color. If you saturate the color by 10%, you get **29.8682, 49.0989, 14.5779**, and if you desaturate by 10%, it is **36.3687, 52.2269, 24.9638**.

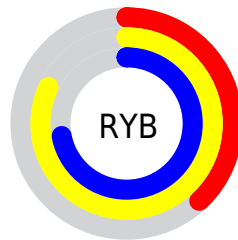
Distribution



Red (47%)

Green (82%)

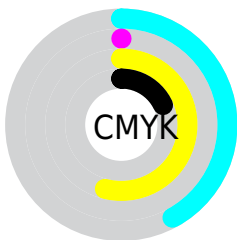
Blue (38%)



Red (38%)

Yellow (82%)

Blue (72%)

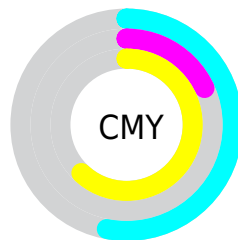


Cyan (42%)

Magenta (0%)

Yellow (54%)

Black (18%)



Cyan (53%)


Magenta (18%)


Yellow (62%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 32.7969, 50.5104, 19.0872 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 32.7969, 50.5104, 19.0872 by changing the saturation by 10% instead.


 32.7969, 50.5104,
19.0872


 32.7969, 50.5104,
19.0872


306.4148,
388.6586, 259.3685

 22.1294, 35.8191,
11.5559


 63.4151, 90.9307,
42.7201


 14.0691, 24.2945,
6.3232


 84.0965, 117.4284,
59.6586

 8.2508, 15.5522,
2.9706


 108.8466,
148.6304, 80.5701

 4.3090, 9.2079,
1.0797

 138.0308,
184.9211, 105.8728

 1.8784, 4.8770,
0.0000

172.0143,
226.6849, 135.9855

 0.5642, 2.1753,
0.0000

211.1626,

 0.0000, 0.7065,

274.3061, 171.3267

0.0000

255.8409,
328.1692, 212.3148

■ 0.0000, 0.0000,
0.0000

■ 32.7969, 50.5104,
19.0872

■ 32.7969, 50.5104,
19.0872

■ 29.8682, 49.0989,
14.5779

■ 36.3687, 52.2269,
24.9638

■ 27.5390, 47.9678,
11.3222

■ 40.6165, 54.2587,
32.3026

■ 25.7654, 47.0987,
9.1941

■ 45.5750, 56.6232,
41.1938

■ 24.4952, 46.4682,
8.0391

■ 51.2755, 59.3349,
51.7195

■ 23.9388, 46.1893,
7.6537

■ 57.7475, 62.4072,
63.9558

■ 65.0187, 65.8529,
77.9743

■ 73.1155, 69.6841,
93.8423

■ 80.7132, 73.3725,
104.5160

■ 82.0915, 74.0830,
104.5805

Harmonies

Analogous

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



41.9661, 50.5104, 11.4959



32.7969, 50.5104, 19.0872



28.1764, 50.5104, 38.9905

Triad

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



32.7969, 50.5104, 19.0872



42.0344, 50.5104, 153.1463



75.4435, 50.5104, 38.8206

Complementary

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



32.7969, 50.5104, 19.0872



35.4612, 23.1612, 62.9259

Split Complementary

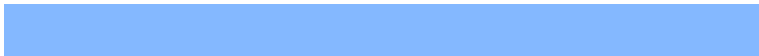
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



75.4706, 50.5104, 74.8763



32.7969, 50.5104, 19.0872



54.6050, 50.5104, 153.0329

Square

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



32.7969, 50.5104, 19.0872



32.8393, 50.5104, 120.3277



67.3187, 50.5104, 120.0639



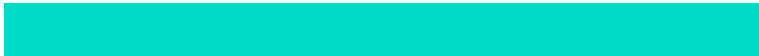
67.2502, 50.5104, 19.0099

Rectangle

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



32.7969, 50.5104, 19.0872



27.6741, 50.5104, 61.3954



67.3187, 50.5104, 120.0639



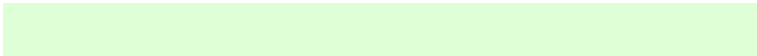
76.4494, 50.5104, 49.0597

Sweetspot

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



32.7981, 50.5126, 19.0883



78.4241, 92.1091, 77.3978



45.2659, 48.1181, 17.9690



16.3778, 19.5211, 15.8092



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.



32.7981, 50.5126, 19.0883



46.1654, 76.6747, 21.8729



31.4004, 49.5999, 27.7037



11.8974, 13.3306, 12.5580



14.8293, 28.5137, 4.7221



0.8990, 1.6303, 0.2673

Inverse Universe

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



35.4612, 23.1612, 62.9259



50.6568, 29.3635, 97.6056



38.6024, 25.1717, 45.4033



12.0443, 11.8717, 14.9003



16.4669, 7.6693, 37.8049



0.9854, 0.4622, 2.1168

Previews

White Background



This preview shows how the XYZ color 32.7969, 50.5104, 19.0872 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 32.7969, 50.5104, 19.0872 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

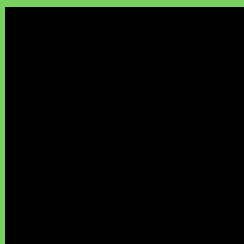
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 32.7969, 50.5104, 19.0872

Background



This preview shows how black text looks on a background with the XYZ color 32.7969, 50.5104, 19.0872.



This preview shows how white text looks on a background with the XYZ color 32.7969, 50.5104,

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

32.7969, 50.5104, 19.0872

Protanopia

45.7988, 50.0976, 16.7071

Deuteranopia

50.9319, 49.8977, 20.0435



Tritanopia

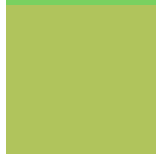
43.0052, 50.4368, 69.7560

Trichromacy



Original Color

32.7969, 50.5104, 19.0872



Protanomaly

39.5762, 49.4827, 17.5904



Deuteranomaly

41.9976, 48.7136, 19.5011



Tritanomaly

37.9739, 49.7439, 45.6303

Monochromacy



Original Color

32.7969, 50.5104, 19.0872



Achromatopsia

38.2080, 40.1978, 43.7754



Achromatomaly

35.0473, 42.9395, 32.4276

CSS Examples

Text

The CSS property to change the color of the text to XYZ 32.7969, 50.5104, 19.0872 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(121, 209, 96)` looks like.

```
.text, #text, p{  
    color:rgb(121, 209, 96)  
}
```

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(121, 209, 96) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(121, 209, 96) }
```

Border

The CSS property to change the border of an element to XYZ 32.7969, 50.5104, 19.0872 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(121, 209, 96) }
```


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

```
.border{ border-color:rgb(121, 209, 96) }
```

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

Here you see how a box with a 4 pixel `rgb(121, 209, 96)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(121, 209, 96); -webkit-box-  
shadow:4px 4px 4px 4px rgb(121, 209, 96);  
box-shadow:4px 4px 4px 4px rgb(121, 209,  
96) }
```

Background

The CSS property to change the background color of an element to XYZ 32.7969, 50.5104, 19.0872 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(121, 209, 96) }
```

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

```
.background{ background-color: rgb(121,  
209, 96) }
```

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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