

Converting Colors

XYZ(32.9449, 51.2808, 20.9938)

Have a look what the booklet for
XYZ(32.9449, 51.2808, 20.9938)
contains.

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Color

**XYZ(32.9449, 51.2808,
20.9938)**

Conversions

Conversions Part 1

Format	Color
Hex	74D367
RGB	116, 211, 103
RGB Percent	45%, 83%, 40%
CMY	0.5451, 0.1725, 0.5961
CMYK	0.45, 0.00, 0.51, 0.17
HSL	113°, 55%, 62%
HSV	113°, 51%, 83%
XYZ	32.9449, 51.2808, 20.9938
YIQ	170.2830, -21.9520, -53.7280

Conversions

Conversions Part 2

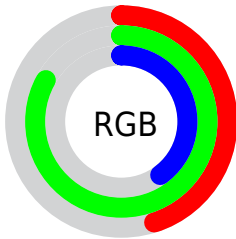
Format	Color
RYB	103, 211, 198
Decimal	7656295
CIELab	76.85, -48.98, 44.54
CIELCh	77, 66.208, 137.719
Yxy	51.2808, 0.3131, 0.4874
Android (android.graphics.Color)	4285846375 (0xFF74D367)
YUV	170.2830, -33.1705, -47.6062
Hunter-Lab	71.6106, -43.1986, 32.7456

Details

The XYZ color **32.9449, 51.2808, 20.9938** is a dark color, and the websafe version is hex **66CC66**. A complement of this color would be **39.8994, 26.4112, 64.6257**, and the grayscale version is **38.5191, 40.5251, 44.1319**.

A 20% lighter version of the original color is **58.9943, 82.8045, 44.3260**, and **14.2532, 24.9244, 7.3085** is the 20% darker color. If you saturate the color by 10%, you get **29.7913, 49.7639, 15.9985**, and if you desaturate by 10%, it is **36.8612, 53.1631, 27.4218**.

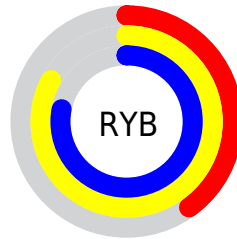
Distribution



Red (45%)

Green (83%)

Blue (40%)



Red (40%)

Yellow (83%)

Blue (78%)

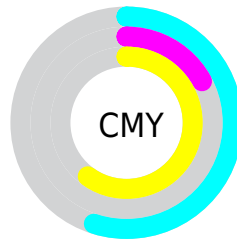


Cyan (45%)

Magenta (0%)

Yellow (51%)

Black (17%)



Cyan (55%)


Magenta (17%)


Yellow (60%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 32.9449, 51.2808, 20.9938 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 32.9449, 51.2808, 20.9938 by changing the saturation by 10% instead.


 32.9449, 51.2808,
20.9938


 32.9449, 51.2808,
20.9938


307.0708,
391.6538, 270.0255


 22.2433, 36.4321,
12.9283


 63.6447, 92.0697,
45.9579


 14.1534, 24.7681,
7.2490


 84.3737, 118.7787,
63.6935

 8.3098, 15.9044,
3.5375


 109.1758,
150.2100, 85.4896

 4.3473, 9.4565,
1.3752

 138.4163,
186.7479, 111.7646

 1.9004, 5.0401,
0.1223

172.4608,
228.7768, 142.9372

 0.5771, 2.2708,
0.0000

211.6744,

 0.0000, 0.7582,

276.6812, 179.4259

0.0000

256.4226,
330.8454, 221.6491

■ 0.0000, 0.0000,
0.0000

■ 32.9449, 51.2808,
20.9938

■ 32.9449, 51.2808,
20.9938

■ 29.7913, 49.7639,
15.9985

■ 36.8612, 53.1631,
27.4218

■ 27.3466, 48.5824,
12.3230

■ 41.5819, 55.4255,
35.3772

■ 25.5559, 47.7123,
9.8435

■ 47.1501, 58.0899,
44.9503

■ 24.3544, 47.1234,
8.4105

■ 53.6048, 61.1745,
56.2238

■ 23.7060, 46.8023,
7.7843

■ 60.9823, 64.6966,
69.2745

■ 69.3173, 68.6723,
84.1745

■ 78.6424, 73.1169,
100.9921

■ 82.5853, 75.0706,
104.7451

Harmonies

Analogous

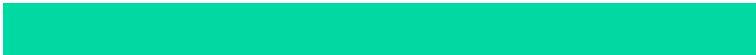
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



41.7430, 51.2808, 12.4285



32.9449, 51.2808, 20.9938



28.7193, 51.2808, 42.3589

Triad

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



32.9449, 51.2808, 20.9938



43.7746, 51.2808, 154.5698



75.6050, 51.2808, 37.2936

Complementary

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



32.9449, 51.2808, 20.9938



39.8994, 26.4112, 64.6257

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.



76.4039, 51.2808, 71.9057



32.9449, 51.2808, 20.9938



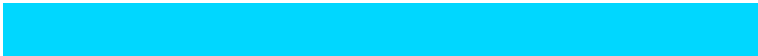
56.4801, 51.2808, 151.2396

Square

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



32.9449, 51.2808, 20.9938



34.2109, 51.2808, 124.3758



68.9179, 51.2808, 116.6147



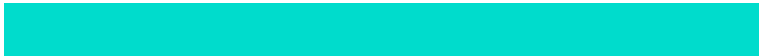
66.8934, 51.2808, 18.6642

Rectangle

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



32.9449, 51.2808, 20.9938



28.4850, 51.2808, 65.6682



68.9179, 51.2808, 116.6147



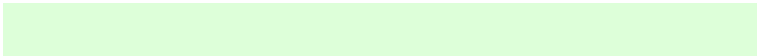
76.8559, 51.2808, 47.0379

Sweetspot

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



32.9462, 51.2830, 20.9949



78.1783, 91.9444, 79.1019



49.1899, 54.5817, 20.7755



16.2818, 19.4641, 16.1425



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.



32.9462, 51.2830, 20.9949



45.5280, 76.2929, 24.2439



33.8171, 51.4455, 33.9770



11.7866, 13.2734, 12.5528



14.3518, 28.2676, 4.6998



0.8475, 1.6038, 0.2649

Inverse Universe

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



39.8994, 26.4112, 64.6257



57.2398, 34.1101, 98.1748



39.1050, 26.5063, 41.7853



12.1649, 11.9339, 14.9060



19.3169, 9.1385, 37.9383



1.1205, 0.5318, 2.1232

Previews

White Background



This preview shows how the XYZ color 32.9449, 51.2808, 20.9938 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 32.9449, 51.2808, 20.9938 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 32.9449, 51.2808, 20.9938

Background



This preview shows how black text looks on a background with the XYZ color 32.9449, 51.2808, 20.9938.



This preview shows how white text looks on a background with the XYZ color 32.9449, 51.2808,

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

32.9449, 51.2808, 20.9938

Protanopia

46.2756, 50.6313, 18.1603

Deuteranopia

51.5036, 50.4482, 22.0619



Tritanopia

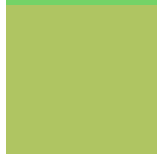
43.1704, 51.1564, 71.8888

Trichromacy



Original Color

32.9449, 51.2808, 20.9938



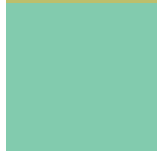
Protanomaly

39.8501, 49.9283, 19.0921



Deuteranomaly

42.0766, 49.0357, 21.4345



Tritanomaly

38.2018, 50.5137, 47.7811

Monochromacy



Original Color

32.9449, 51.2808, 20.9938



Achromatopsia

38.2080, 40.1978, 43.7754



Achromatomaly

35.1149, 43.2573, 33.6929

CSS Examples

Text

The CSS property to change the color of the text to XYZ 32.9449, 51.2808, 20.9938 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(116, 211, 103)` looks like.

```
.text, #text, p{  
    color:rgb(116, 211, 103)  
}
```

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(116, 211, 103) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(116, 211, 103) }
```

Border

The CSS property to change the border of an element to XYZ 32.9449, 51.2808, 20.9938 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(116, 211, 103) }
```


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

```
.border{ border-color:rgb(116, 211, 103) }
```

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

Here you see how a box with a 4 pixel `rgb(116, 211, 103)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(116, 211, 103); -webkit-box-  
shadow:4px 4px 4px 4px rgb(116, 211, 103);  
box-shadow:4px 4px 4px 4px rgb(116, 211,  
103) }
```

Background

The CSS property to change the background color of an element to XYZ 32.9449, 51.2808, 20.9938 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(116, 211, 103) }
```

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

```
.background{ background-color: rgb(116,  
211, 103) }
```

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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