

Converting Colors

XYZ(32.7616, 52.1305, 22.8303)

Have a look what the booklet for
XYZ(32.7616, 52.1305, 22.8303)
contains.

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Color

**XYZ(32.8703, 52.3231,
22.8349)**

Conversions

Conversions Part 1

Format	Color
Hex	6BD66D
RGB	107, 214, 109
RGB Percent	42%, 84%, 43%
CMY	0.5804, 0.1608, 0.5725
CMYK	0.50, 0.00, 0.49, 0.16
HSL	121°, 57%, 63%
HSV	121°, 50%, 84%
XYZ	32.8703, 52.3231, 22.8349
YIQ	170.0370, -30.0670, -55.3390

Conversions

Conversions Part 2

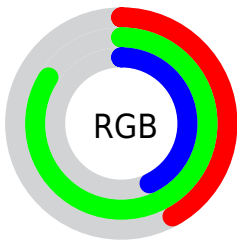
Format	Color
RYB	107, 212, 214
Decimal	7067245
CIELab	77.47, -51.94, 42.34
CIELCh	77, 67.010, 140.818
Yxy	52.3231, 0.3043, 0.4843
Android (android.graphics.Color)	4285257325 (0xFF6BD66D)
YUV	170.0370, -30.0912, -55.2834
Hunter-Lab	72.3347, -45.4719, 31.9174

Details

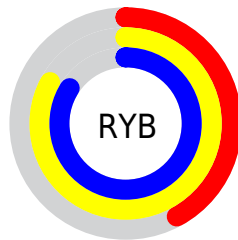
The XYZ color **32.8703, 52.3231, 22.8349** is a dark color, and the websafe version is hex **66CC66**. A complement of this color would be **44.8745, 29.5659, 65.6304**, and the grayscale version is **38.3841, 40.3831, 43.9772**.

A 20% lighter version of the original color is **57.7986, 82.1280, 46.9884**, and **14.0728, 25.3171, 8.1480** is the 20% darker color. If you saturate the color by 10%, you get **29.6102, 50.7594, 17.4700**, and if you desaturate by 10%, it is **37.0396, 54.3274, 29.6541**.

Distribution



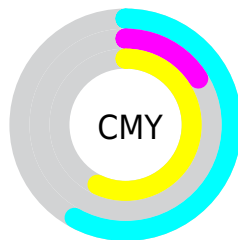
- Red (42%)
- Green (84%)
- Blue (43%)



- Red (42%)
- Yellow (83%)
- Blue (84%)



- Cyan (50%)
- Magenta (0%)
- Yellow (49%)
- Black (16%)





- Cyan (58%)
- Magenta (16%)
- Yellow (57%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 32.8703, 52.3231, 22.8349 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 32.8703, 52.3231, 22.8349 by changing the saturation by 10% instead.


 32.8703, 52.3231,
22.8349


 32.8703, 52.3231,
22.8349


306.7402,
395.6827, 279.9703

 22.1859, 37.2627,
14.2675


 63.5290, 93.6076,
49.0418


 14.1109, 25.4109,
8.1661


 84.2340, 120.6004,
67.5185

 8.2801, 16.3835,
4.1121


 109.0099,
152.3395, 90.1352

 4.3280, 9.7959,
1.6870

 138.2220,
189.2092, 117.3107

 1.8893, 5.2639,
0.3518

172.2358,
231.5940, 149.4634

 0.5706, 2.4029,
0.0000

211.4165,

 0.0000, 0.8274,

279.8783, 187.0118

0.0000

256.1295,
334.4464, 230.3746

■ 0.0000, 0.0000,
0.0000

■ 32.8703, 52.3231,
22.8349

■ 32.8703, 52.3231,
22.8349

■ 29.6102, 50.7594,
17.4700

■ 37.0396, 54.3274,
29.6541

■ 27.1882, 49.5972,
13.4509

■ 42.1750, 56.7949,
38.0190

■ 25.5287, 48.8018,
10.6592

■ 48.3329, 59.7546,
48.0175

■ 24.5409, 48.3293,
8.9549

■ 55.5647, 63.2309,
59.7300

■ 24.0696, 48.1040,
8.1314

■ 63.9180, 67.2470,
73.2314

■ 73.4377, 71.8245,
88.5924

■ 83.3376, 76.5753,
104.9959

Harmonies

Analogous

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



41.4236, 52.3231, 13.0173



32.8703, 52.3231, 22.8349



29.0374, 52.3231, 46.3672

Triad

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



32.8703, 52.3231, 22.8349



45.8763, 52.3231, 159.8619



76.7179, 52.3231, 35.2625

Complementary

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



32.8703, 52.3231, 22.8349



44.8745, 29.5659, 65.6304

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.



78.4695, 52.3231, 69.0794



32.8703, 52.3231, 22.8349



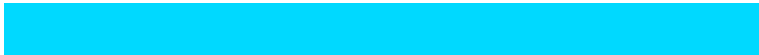
59.0821, 52.3231, 152.5571

Square

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



32.8703, 52.3231, 22.8349



35.6442, 52.3231, 131.7187



71.5522, 52.3231, 114.6956



67.1135, 52.3231, 17.7320

Rectangle

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



32.8703, 52.3231, 22.8349



29.1235, 52.3231, 71.3777



71.5522, 52.3231, 114.6956



78.3028, 52.3231, 44.6462

Sweetspot

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



32.8716, 52.3253, 22.8361



76.8861, 91.2675, 79.5277



53.9166, 63.1867, 23.2647



15.9758, 19.3038, 16.2430



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.



32.8716, 52.3253, 22.8361



43.7822, 75.3619, 25.5664



36.6582, 53.8399, 42.7759



12.2717, 13.8997, 13.2455



14.5521, 29.0762, 4.9371



0.8811, 1.7551, 0.3156

Inverse Universe

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



44.8745, 29.5659, 65.6304



63.5838, 37.7997, 96.1544



39.2242, 27.3058, 35.8764



12.9425, 12.6285, 15.6376



23.7976, 11.4553, 37.8335



1.4386, 0.6922, 2.2992

Previews

White Background



This preview shows how the XYZ color 32.8703, 52.3231, 22.8349 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 32.8703, 52.3231, 22.8349 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

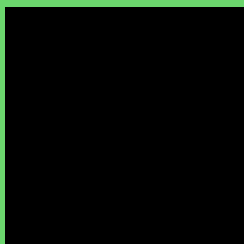
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 32.8703, 52.3231, 22.8349

Background



This preview shows how black text looks on a background with the XYZ color 32.8703, 52.3231, 22.8349.

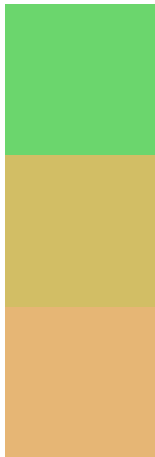


This preview shows how white text looks on a background with the XYZ color 32.8703, 52.3231,

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

32.8703, 52.3231, 22.8349

Protanopia

47.3408, 51.4681, 19.7511

Deuteranopia

52.5720, 51.5632, 24.0115



Tritanopia

43.1355, 52.1283, 74.1180

Trichromacy



Original Color

32.8703, 52.3231, 22.8349



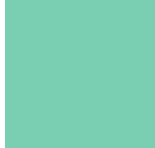
Protanomaly

40.1557, 50.7306, 20.7723



Deuteranomaly

42.3366, 50.1128, 23.3609



Tritanomaly

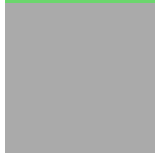
38.1332, 51.4945, 50.0491

Monochromacy



Original Color

32.8703, 52.3231, 22.8349



Achromatopsia

38.2080, 40.1978, 43.7754



Achromatomaly

34.9368, 43.4590, 34.5640

CSS Examples

Text

The CSS property to change the color of the text to XYZ 32.8703, 52.3231, 22.8349 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(107, 214, 109)` looks like.

```
.text, #text, p{  
    color:rgb(107, 214, 109)  
}
```

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(107, 214, 109) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(107, 214, 109) }
```

Border

The CSS property to change the border of an element to XYZ 32.8703, 52.3231, 22.8349 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(107, 214, 109) }
```


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

```
.border{ border-color:rgb(107, 214, 109) }
```

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

Here you see how a box with a 4 pixel `rgb(107, 214, 109)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(107, 214, 109); -webkit-box-  
shadow:4px 4px 4px 4px rgb(107, 214, 109);  
box-shadow:4px 4px 4px 4px rgb(107, 214,  
109) }
```

Background

The CSS property to change the background color of an element to XYZ 32.8703, 52.3231, 22.8349 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(107, 214, 109) }
```

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

```
.background{ background-color: rgb(107,  
214, 109) }
```

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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