

Converting Colors

XYZ(32.4018, 52.8083, 31.9556)

Have a look what the booklet for
XYZ(32.4018, 52.8083, 31.9556)
contains.

XYZ(32.2242, 52.5516, 31.7376)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(32.2242, 52.5516,
31.7376)**

Conversions

Conversions Part 1

Format	Color
Hex	4FD888
RGB	79, 216, 136
RGB Percent	31%, 85%, 53%
CMY	0.6902, 0.1529, 0.4667
CMYK	0.63, 0.00, 0.37, 0.15
HSL	145°, 64%, 58%
HSV	145°, 63%, 85%
XYZ	32.2242, 52.5516, 31.7376
YIQ	165.9170, -55.9720, -53.9240

Conversions

Conversions Part 2

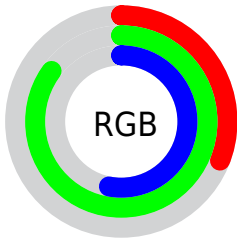
Format	Color
RYB	79, 176, 216
Decimal	5232776
CIELab	77.61, -54.84, 28.79
CIELCh	78, 61.940, 152.304
Yxy	52.5516, 0.2766, 0.4510
Android (android.graphics.Color)	4283422856 (0xFF4FD888)
YUV	165.9170, -14.7491, -76.2262
Hunter-Lab	72.4925, -47.5154, 24.7873

Details

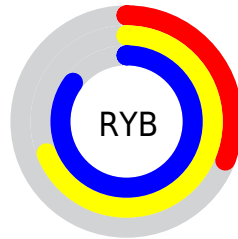
The XYZ color **32.2242, 52.5516, 31.7376** is a dark color, and the websafe version is hex **33CC66**. The color can be described as middle muted spring green. A complement of this color would be **37.3745, 22.6950, 35.2131**, and the grayscale version is **36.2949, 38.1850, 41.5835**.

A 20% lighter version of the original color is **56.0388, 80.9004, 61.3770**, and **14.2105, 25.7975, 12.8248** is the 20% darker color. If you saturate the color by 10%, you get **29.8667, 51.4353, 27.2206**, and if you desaturate by 10%, it is **35.2734, 54.0152, 36.8400**.

Distribution



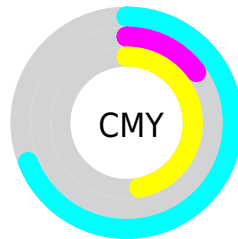
- Red (31%)
- Green (85%)
- Blue (53%)



- Red (31%)
- Yellow (69%)
- Blue (85%)



- Cyan (63%)
- Magenta (0%)
- Yellow (37%)
- Black (15%)





- Cyan (69%)
- Magenta (15%)
- Yellow (47%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 32.2242, 52.5516, 31.7376 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 32.2242, 52.5516, 31.7376 by changing the saturation by 10% instead.


 32.2242, 52.5516,
31.7376


 32.2242, 52.5516,
31.7376


303.8665,
396.5624, 324.3780


 21.6892, 37.4449,
20.8980


 62.5252, 93.9442,
63.4926


 13.7440, 25.5522,
12.8589


 83.0219, 120.9990,
85.2451

 8.0233, 16.4889,
7.2019


 107.5699,
152.8052, 111.4723

 4.1618, 9.8708,
3.5083

 136.5345,
189.7473, 142.5928

 1.7941, 5.3134,
1.3597

170.2812,
232.2097, 179.0251

 0.5141, 2.4323,
0.1100

209.1751,

 0.0000, 0.8424,

280.5767, 221.1877

0.0000

253.5818,
335.2328, 269.4991

■ 0.0000, 0.0000,
0.0000

■ 32.2242, 52.5516,
31.7376

■ 32.2242, 52.5516,
31.7376

■ 29.8667, 51.4353,
27.2206

■ 35.2734, 54.0152,
36.8400

■ 28.1344, 50.6280,
23.2635

■ 39.0649, 55.8474,
42.5449

■ 26.9534, 50.0936,
19.8439

■ 43.6487, 58.0752,
48.8730

■ 26.3968, 49.8497,
17.8745

■ 49.0694, 60.7210,
55.8430

■ 55.3681, 63.8058,
63.4726

■ 62.5831, 67.3488,
71.7789

■ 70.7504, 71.3685,
80.7783

■ 79.9039, 75.8819,
90.4868

■ 82.9775, 77.2460,
100.5874

Harmonies

Analogous

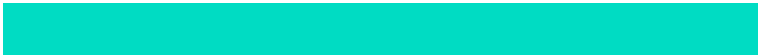
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



38.6365, 52.5516, 17.6465



32.2242, 52.5516, 31.7376



30.3096, 52.5516, 59.9095

Triad

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



32.2242, 52.5516, 31.7376



50.8793, 52.5516, 151.5137



72.0232, 52.5516, 28.7402

Complementary

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



32.2242, 52.5516, 31.7376



37.3745, 22.6950, 35.2131

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.



76.6389, 52.5516, 54.6117



32.2242, 52.5516, 31.7376



63.2779, 52.5516, 132.9170

Square

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



32.2242, 52.5516, 31.7376



40.0021, 52.5516, 137.6171



73.2100, 52.5516, 93.6250



61.4209, 52.5516, 16.4649

Rectangle

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



32.2242, 52.5516, 31.7376



31.5463, 52.5516, 86.0409



73.2100, 52.5516, 93.6250



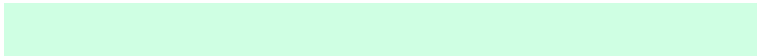
74.3963, 52.5516, 35.6820

Sweetspot

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



32.2256, 52.5537, 31.7388



75.1914, 90.2506, 85.9190



40.7071, 57.2765, 16.3074



15.5450, 19.0486, 17.7168



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.



32.2256, 52.5537, 31.7388



42.5667, 74.4664, 37.6549



38.4781, 55.0548, 64.6645



12.4746, 13.9808, 14.3135



15.6746, 29.5252, 10.8480



0.9861, 1.7971, 0.8687

Inverse Universe

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



37.3745, 22.6950, 35.2131



50.5954, 27.6893, 42.9108



33.0788, 20.9768, 12.5923



12.7243, 12.5412, 14.4885



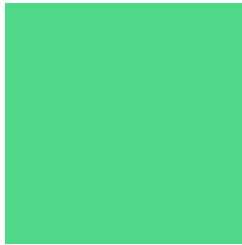
19.0509, 9.5567, 12.8380



1.1899, 0.5927, 0.9893

Previews

White Background



This preview shows how the XYZ color 32.2242, 52.5516, 31.7376 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 32.2242, 52.5516, 31.7376 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

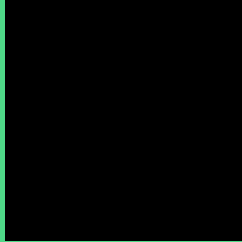
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 32.2242, 52.5516, 31.7376

Background



This preview shows how black text looks on a background with the XYZ color 32.2242, 52.5516, 31.7376.

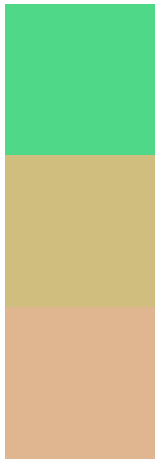


This preview shows how white text looks on a background with the XYZ color 32.2242, 52.5516,

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

32.2242, 52.5516, 31.7376

Protanopia

47.8473, 51.5730, 26.8348

Deuteranopia

52.5025, 51.3168, 33.5235



Tritanopia

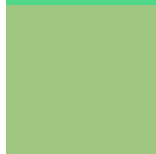
41.3195, 52.5423, 77.0712

Trichromacy



Original Color

32.2242, 52.5516, 31.7376



Protanomaly

38.8831, 49.9054, 28.3522



Deuteranomaly

40.8941, 49.1646, 32.5337



Tritanomaly

37.3803, 52.3962, 57.4335

Monochromacy



Original Color

32.2242, 52.5516, 31.7376



Achromatopsia

36.2450, 38.1326, 41.5264



Achromatomaly

32.8884, 41.7159, 37.3289

CSS Examples

Text

The CSS property to change the color of the text to XYZ 32.2242, 52.5516, 31.7376 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(79, 216, 136)` looks like.

```
.text, #text, p{  
    color:rgb(79, 216, 136)  
}
```

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(79, 216, 136) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(79, 216, 136) }
```

Border

The CSS property to change the border of an element to XYZ 32.2242, 52.5516, 31.7376 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(79, 216, 136) }
```


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

```
.border{ border-color:rgb(79, 216, 136) }
```

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

Here you see how a box with a 4 pixel `rgb(79, 216, 136)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(79, 216, 136); -webkit-box-  
shadow:4px 4px 4px 4px rgb(79, 216, 136);  
box-shadow:4px 4px 4px 4px rgb(79, 216,  
136) }
```

Background

The CSS property to change the background color of an element to XYZ 32.2242, 52.5516, 31.7376 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(79, 216, 136) }
```

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

```
.background{ background-color: rgb(79, 216,  
136) }
```

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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