

Converting Colors

XYZ(32.2359, 56.9583, 28.5710)

Have a look what the booklet for
XYZ(32.2359, 56.9583, 28.5710)
contains.

XYZ(32.2529, 56.9767, 28.6997)	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(32.2529, 56.9767,
28.6997)**

Conversions

Conversions Part 1

Format	Color
Hex	2DE37D
RGB	45, 227, 125
RGB Percent	18%, 89%, 49%
CMY	0.8235, 0.1098, 0.5098
CMYK	0.80, 0.00, 0.45, 0.11
HSL	146°, 76%, 53%
HSV	146°, 80%, 89%
XYZ	32.2529, 56.9767, 28.6997
YIQ	160.9540, -75.7300, -70.3060

Conversions

Conversions Part 2

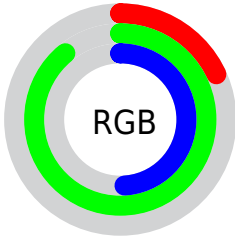
Format	Color
RYB	45, 171, 227
Decimal	3007357
CIELab	80.17, -65.76, 37.57
CIELCh	80, 75.737, 150.260
Yxy	56.9767, 0.2735, 0.4831
Android (android.graphics.Color)	4281197437 (0xFF2DE37D)
YUV	160.9540, -17.7253, -101.6917
Hunter-Lab	75.4829, -55.8243, 30.2951

Details

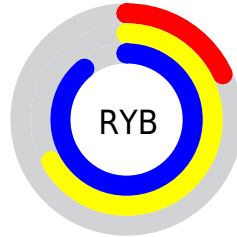
The XYZ color **32.2529, 56.9767, 28.6997** is a dark color, and the websafe version is hex **00CC66**. The color can be described as dark washed spring green. A complement of this color would be **37.8851, 20.3153, 29.5302**, and the grayscale version is **33.9612, 35.7298, 38.9098**.

A 20% lighter version of the original color is **51.7818, 78.8396, 55.1362**, and **15.6108, 29.2439, 11.3004** is the 20% darker color. If you saturate the color by 10%, you get **30.7480, 56.2904, 24.6558**, and if you desaturate by 10%, it is **34.4010, 57.9856, 33.3197**.

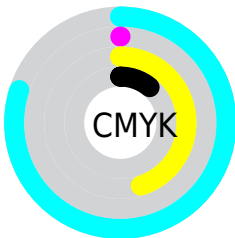
Distribution



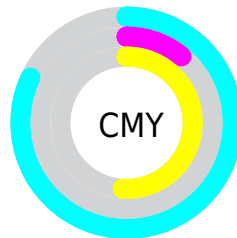
- Red (18%)
- Green (89%)
- Blue (49%)



- Red (18%)
- Yellow (67%)
- Blue (89%)



- Cyan (80%)
- Magenta (0%)
- Yellow (45%)
- Black (11%)





- Cyan (82%)
- Magenta (11%)
- Yellow (51%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 32.2529, 56.9767, 28.6997 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 32.2529, 56.9767, 28.6997 by changing the saturation by 10% instead.

 32.2529, 56.9767,
28.6997


 32.2529, 56.9767,
28.6997


303.9945,
413.3620, 309.8119


 21.7112, 40.9865,
18.6101


 62.5699, 100.4312,
58.6361

 13.7603, 28.3086,
11.2150


 83.0759, 128.6643,
79.3200


 8.0347, 18.5584,
6.0956


 107.6340,
161.7472, 104.3725

 4.1692, 11.3516,
2.8336

 136.6097,
200.0642, 134.2121

 1.7983, 6.3039,
1.0103

 170.3682,
243.9998, 169.2572

 0.5166, 3.0307,
0.0000

209.2750,

 0.0000, 1.1478,

293.9384, 209.9266

0.0000

253.6953,
350.2643, 256.6386

■ 0.0000, 0.0184,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 32.2529, 56.9767,
28.6997

■ 32.2529, 56.9767,
28.6997

■ 30.7480, 56.2904,
24.6558


■ 34.4010, 57.9856,
33.3197


■ 29.7598, 55.8562,
21.2138


■ 37.2672, 59.3507,
38.5350


■ 40.9198, 61.1084,
44.3685


■ 45.4176, 63.2885,
50.8404

 50.8138, 65.9182,
57.9702

 57.1568, 69.0219,
65.7762

 64.4914, 72.6225,
74.2763

 72.8597, 76.7413,
83.4873

 82.3011, 81.3983,
93.4256

Harmonies

Analogous

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



40.5310, 56.9767, 13.7688



32.2529, 56.9767, 28.6997



29.5638, 56.9767, 62.4245

Triad

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



32.2529, 56.9767, 28.6997



54.2894, 56.9767, 191.7963



84.0539, 56.9767, 28.3019

Complementary

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



32.2529, 56.9767, 28.6997



37.8851, 20.3153, 29.5302

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.



89.5928, 56.9767, 61.6530



32.2529, 56.9767, 28.6997



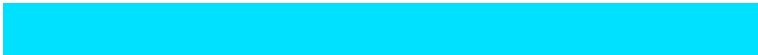
70.5330, 56.9767, 168.2509

Square

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



32.2529, 56.9767, 28.6997



40.7236, 56.9767, 169.0022



84.2346, 56.9767, 114.4884



70.2551, 56.9767, 13.6279

Rectangle

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



32.2529, 56.9767, 28.6997



30.8074, 56.9767, 96.3787



84.2346, 56.9767, 114.4884



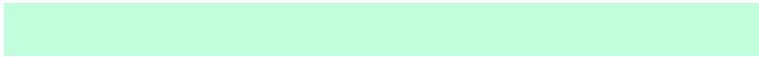
87.0487, 56.9767, 37.0102

Sweetspot

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



32.2543, 56.9790, 28.7010



70.9681, 88.1674, 81.4754



40.1814, 61.4385, 12.2240



14.5640, 18.5652, 16.6645



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.



32.2543, 56.9790, 28.7010



39.1460, 72.8891, 29.0841



40.8016, 60.3979, 73.7103



14.4512, 16.1939, 16.6406



17.4118, 32.5968, 12.6687



1.3327, 2.4272, 1.1786

Inverse Universe

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



37.8851, 20.3153, 29.5302



46.6484, 23.6005, 29.8641



33.3602, 18.5053, 5.7024



14.7135, 14.5026, 16.6919



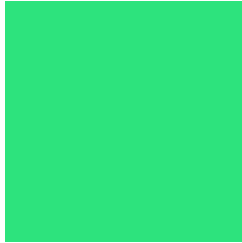
20.7772, 10.4451, 12.9876



1.5819, 0.7905, 1.2047

Previews

White Background



This preview shows how the XYZ color 32.2529, 56.9767, 28.6997 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 32.2529, 56.9767, 28.6997 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

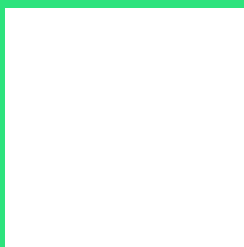
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 32.2529, 56.9767, 28.6997

Background



This preview shows how black text looks on a background with the XYZ color 32.2529, 56.9767, 28.6997.



This preview shows how white text looks on a background with the XYZ color 32.2529, 56.9767,

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

32.2529, 56.9767, 28.6997

Protanopia

51.3224, 55.7463, 23.9747

Deuteranopia

56.5472, 55.3498, 30.2575



Tritanopia

43.4820, 56.8068, 85.0170

Trichromacy



Original Color

32.2529, 56.9767, 28.6997



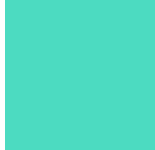
Protanomaly

39.1523, 53.2898, 25.3620



Deuteranomaly

40.9431, 51.9867, 29.3492



Tritanomaly

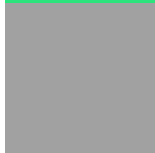
37.9376, 56.0498, 59.2712

Monochromacy



Original Color

32.2529, 56.9767, 28.6997



Achromatopsia

33.8758, 35.6400, 38.8120



Achromatomaly

30.3020, 40.7580, 34.2870

CSS Examples

Text

The CSS property to change the color of the text to XYZ 32.2529, 56.9767, 28.6997 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(45, 227, 125)` looks like.

```
.text, #text, p{  
    color:rgb(45, 227, 125)  
}
```

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(45, 227, 125) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(45, 227, 125) }
```

Border

The CSS property to change the border of an element to XYZ 32.2529, 56.9767, 28.6997 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(45, 227, 125) }
```


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

```
.border{ border-color:rgb(45, 227, 125) }
```

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

Here you see how a box with a 4 pixel rgb(45, 227, 125) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(45, 227, 125); -webkit-box-  
shadow:4px 4px 4px 4px rgb(45, 227, 125);  
box-shadow:4px 4px 4px 4px rgb(45, 227,  
125) }
```

Background

The CSS property to change the background color of an element to XYZ 32.2529, 56.9767, 28.6997 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(45, 227, 125) }
```

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

```
.background{ background-color: rgb(45, 227,  
125) }
```

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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