

Converting Colors

XYZ(32.8337, 57.3733, 24.4967)

Have a look what the booklet for
XYZ(32.8337, 57.3733, 24.4967)
contains.

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Color

**XYZ(32.7926, 57.3511,
24.3804)**

Conversions

Conversions Part 1

Format	Color
Hex	45E36F
RGB	69, 227, 111
RGB Percent	27%, 89%, 44%
CMY	0.7294, 0.1098, 0.5647
CMYK	0.70, 0.00, 0.51, 0.11
HSL	136°, 74%, 58%
HSV	136°, 70%, 89%
XYZ	32.7926, 57.3511, 24.3804
YIQ	166.5340, -56.9320, -69.5720

Conversions

Conversions Part 2

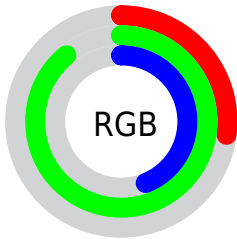
Format	Color
RYB	69, 194, 227
Decimal	4580207
CIELab	80.38, -64.73, 44.72
CIELCh	80, 78.677, 145.363
Yxy	57.3511, 0.2863, 0.5008
Android (android.graphics.Color)	4282770287 (0xFF45E36F)
YUV	166.5340, -27.3783, -85.5373
Hunter-Lab	75.7305, -55.2349, 33.9238

Details

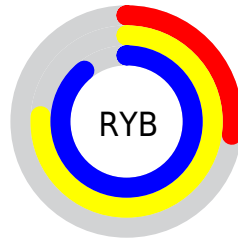
The XYZ color **32.7926, 57.3511, 24.3804** is a dark color, and the websafe version is hex **00CC66**. The color can be described as middle muted spring green. A complement of this color would be **42.5654, 24.0910, 48.3074**, and the grayscale version is **36.6539, 38.5628, 41.9949**.

A 20% lighter version of the original color is **52.7049, 79.4709, 48.1589**, and **15.1641, 29.0652, 8.9486** is the 20% darker color. If you saturate the color by 10%, you get **30.6461, 56.3425, 19.9291**, and if you desaturate by 10%, it is **35.7287, 58.7502, 29.7649**.

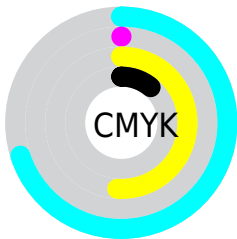
Distribution



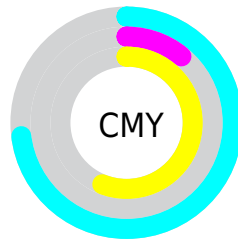
- Red (27%)
- Green (89%)
- Blue (44%)



- Red (27%)
- Yellow (76%)
- Blue (89%)



- Cyan (70%)
- Magenta (0%)
- Yellow (51%)
- Black (11%)





- Cyan (73%)
- Magenta (11%)
- Yellow (56%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 32.7926, 57.3511, 24.3804 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 32.7926, 57.3511, 24.3804 by changing the saturation by 10% instead.


 32.7926, 57.3511,
24.3804


 32.7926, 57.3511,
24.3804


306.3957,
414.7636, 288.0863


 22.1261, 41.2872,
15.4012


 63.4084, 100.9773,
51.6018


 14.0667, 28.5436,
8.9517

 84.0885, 129.3084,
70.6812

 8.2491, 18.7358,
4.6133

 108.8371,
162.4973, 93.9644

 4.3079, 11.4795,
1.9675

 138.0195,
200.9285, 121.8699

 1.8777, 6.3904,
0.5352

172.0013,
244.9864, 154.8163

 0.5639, 3.0839,
0.0000

211.1477,

 0.0000, 1.1757,

295.0552, 193.2221

0.0000

255.8240,
351.5195, 237.5060

■ 0.0000, 0.0417,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 32.7926, 57.3511,
24.3804

■ 32.7926, 57.3511,
24.3804

■ 30.6461, 56.3425,
19.9291

■ 35.7287, 58.7502,
29.7649

■ 29.2009, 55.6751,
16.3533


■ 39.5219, 60.5688,
36.1280


■ 28.3239, 55.2832,
13.5935


■ 44.2368, 62.8408,
43.5168


■ 28.2949, 55.2703,
13.4996


■ 49.9307, 65.5948,
51.9740

 56.6560, 68.8570,
61.5402

 64.4614, 72.6518,
72.2534

 73.3922, 77.0018,
84.1503

 83.4915, 81.9283,
97.2655

 86.7602, 83.4204,
106.1367

Harmonies

Analogous

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



42.2911, 57.3511, 11.6960



32.7926, 57.3511, 24.3804



29.1009, 57.3511, 55.5451

Triad

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



32.7926, 57.3511, 24.3804



52.0445, 57.3511, 199.1435



87.5599, 57.3511, 31.6360

Complementary

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



32.7926, 57.3511, 24.3804



42.5654, 24.0910, 48.3074

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.



91.5751, 57.3511, 69.8952



32.7926, 57.3511, 24.3804



68.8824, 57.3511, 181.7803

Square

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



32.7926, 57.3511, 24.3804



38.7337, 57.3511, 167.5478



84.1701, 57.3511, 127.6467



74.0773, 57.3511, 14.2043

Rectangle

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



32.7926, 57.3511, 24.3804



29.7675, 57.3511, 89.0156



84.1701, 57.3511, 127.6467



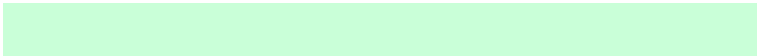
90.1618, 57.3511, 41.7709

Sweetspot

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



32.7940, 57.3535, 24.3817



72.3225, 88.9416, 78.1080



49.1614, 65.9985, 15.7785



14.9423, 18.7762, 15.9595



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.



32.7940, 57.3535, 24.3817



38.8588, 72.8642, 23.5070



38.9483, 59.8152, 56.7896



14.3459, 16.1518, 16.0860



16.5423, 32.2490, 8.0899



1.2601, 2.3982, 0.7964

Inverse Universe

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



42.5654, 24.0910, 48.3074



52.2261, 26.9121, 55.9046



36.5417, 21.6815, 16.5870



14.8230, 14.5464, 17.2682



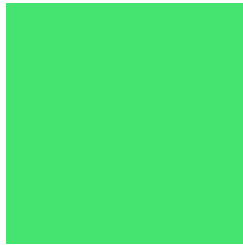
22.5752, 11.1643, 22.4557



1.7062, 0.8402, 1.8592

Previews

White Background



This preview shows how the XYZ color 32.7926, 57.3511, 24.3804 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 32.7926, 57.3511, 24.3804 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

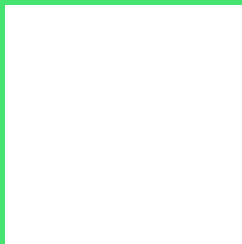
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 32.7926, 57.3511, 24.3804

Background



This preview shows how black text looks on a background with the XYZ color 32.7926, 57.3511, 24.3804.



This preview shows how white text looks on a background with the XYZ color 32.7926, 57.3511,

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

32.7926, 57.3511, 24.3804

Protanopia

51.4565, 56.2332, 20.4540

Deuteranopia

57.2454, 56.1264, 25.9055



Tritanopia

44.6547, 57.0508, 84.2597

Trichromacy



Original Color

32.7926, 57.3511, 24.3804



Protanomaly

40.6601, 54.5134, 21.7437



Deuteranomaly

42.6983, 53.3433, 24.8755



Tritanomaly

38.9173, 56.6306, 55.8934

Monochromacy



Original Color

32.7926, 57.3511, 24.3804



Achromatopsia

36.7301, 38.6429, 42.0822



Achromatomaly

32.8241, 43.3271, 34.2367

CSS Examples

Text

The CSS property to change the color of the text to XYZ 32.7926, 57.3511, 24.3804 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(69, 227, 111)` looks like.

```
.text, #text, p{  
    color:rgb(69, 227, 111)  
}
```

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(69, 227, 111) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(69, 227, 111) }
```

Border

The CSS property to change the border of an element to XYZ 32.7926, 57.3511, 24.3804 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(69, 227, 111) }
```


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

```
.border{ border-color:rgb(69, 227, 111) }
```

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

Here you see how a box with a 4 pixel `rgb(69, 227, 111)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(69, 227, 111); -webkit-box-  
shadow:4px 4px 4px 4px rgb(69, 227, 111);  
box-shadow:4px 4px 4px 4px rgb(69, 227,  
111) }
```

Background

The CSS property to change the background color of an element to XYZ 32.7926, 57.3511, 24.3804 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(69, 227, 111) }
```

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

```
.background{ background-color: rgb(69, 227,  
111) }
```

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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