

Converting Colors

XYZ(34.0645, 56.1814, 28.2710)

Have a look what the booklet for
XYZ(34.0645, 56.1814, 28.2710)
contains.

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Color

**XYZ(34.1456, 56.3544,
28.1466)**

Conversions

Conversions Part 1

Format	Color
Hex	59DF7C
RGB	89, 223, 124
RGB Percent	35%, 87%, 49%
CMY	0.6510, 0.1255, 0.5137
CMYK	0.60, 0.00, 0.44, 0.13
HSL	136°, 68%, 61%
HSV	136°, 60%, 87%
XYZ	34.1456, 56.3544, 28.1466
YIQ	171.6480, -48.0850, -59.1970

Conversions

Conversions Part 2

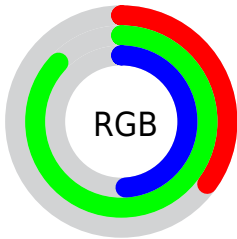
Format	Color
RYB	89, 195, 223
Decimal	5889916
CIELab	79.82, -57.55, 37.79
CIELCh	80, 68.854, 146.708
Yxy	56.3544, 0.2878, 0.4750
Android (android.graphics.Color)	4284079996 (0xFF59DF7C)
YUV	171.6480, -23.4905, -72.4823
Hunter-Lab	75.0696, -50.1805, 30.3185

Details

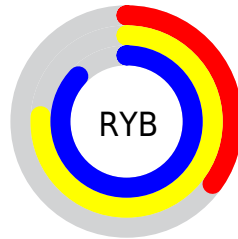
The XYZ color **34.1456, 56.3544, 28.1466** is a dark color, and the websafe version is hex **33CC66**. The color can be described as middle muted spring green. A complement of this color would be **43.0827, 26.4647, 50.4163**, and the grayscale version is **39.1683, 41.2081, 44.8756**.

A 20% lighter version of the original color is **56.3736, 81.2184, 54.8250**, and **15.0213, 28.1185, 10.9390** is the 20% darker color. If you saturate the color by 10%, you get **31.3647, 55.0329, 23.0251**, and if you desaturate by 10%, it is **37.7514, 58.0842, 34.2179**.

Distribution



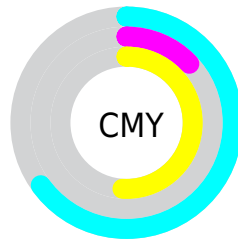
- Red (35%)
- Green (87%)
- Blue (49%)



- Red (35%)
- Yellow (76%)
- Blue (87%)



- Cyan (60%)
- Magenta (0%)
- Yellow (44%)
- Black (13%)




- Cyan (65%)
- Magenta (13%)
- Yellow (51%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 34.1456, 56.3544, 28.1466 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 34.1456, 56.3544, 28.1466 by changing the saturation by 10% instead.


 34.1456, 56.3544,
28.1466


 34.1456, 56.3544,
28.1466


312.3553,
411.0257, 307.1007


 23.1689, 40.4871,
18.1962


 65.5028, 99.5226,
57.7443


 14.8396, 27.9186,
10.9200


 86.6140, 127.5922,
78.2287

 8.7925, 18.2643,
5.8996


 111.8341,
160.4982, 103.0615

 4.6621, 11.1399,
2.7163

 141.5285,
198.6248, 132.6613

 2.0831, 6.1610,
0.9516

176.0624,
242.3565, 167.4466

 0.6800, 2.9432,
0.0000

215.8013,

 0.0000, 1.1022,

292.0776, 207.8359

0.0000

261.1105,
348.1725, 254.2477

■ 0.0000, 0.0000,
0.0000

■ 34.1456, 56.3544,
28.1466

■ 34.1456, 56.3544,
28.1466

■ 31.3647, 55.0329,
23.0251

■ 37.7514, 58.0842,
34.2179

■ 29.3353, 54.0781,
18.8011

■ 42.2389, 60.2460,
41.2801

■ 27.9774, 53.4514,
15.4233

■ 47.6648, 62.8695,
49.3763

■ 27.1588, 53.0855,
12.8512

■ 54.0795, 65.9801,
58.5461

■ 61.5299, 69.6011,
68.8268

■ 70.0599, 73.7544,
80.2541

■ 79.7106, 78.4605,
92.8621

■ 85.6787, 81.2575,
105.7762

Harmonies

Analogous

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



42.4022, 56.3544, 15.1738



34.1456, 56.3544, 28.1466



31.0222, 56.3544, 57.0597

Triad

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



34.1456, 56.3544, 28.1466



52.0397, 56.3544, 174.2512



81.2357, 56.3544, 32.9331

Complementary

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



34.1456, 56.3544, 28.1466



43.0827, 26.4647, 50.4163

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.



85.0073, 56.3544, 65.8718



34.1456, 56.3544, 28.1466



66.5286, 56.3544, 158.5836

Square

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



34.1456, 56.3544, 28.1466



40.1629, 56.3544, 150.4312



79.2221, 56.3544, 113.8435



69.6548, 56.3544, 16.9763

Rectangle

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



34.1456, 56.3544, 28.1466



31.7835, 56.3544, 86.1675



79.2221, 56.3544, 113.8435



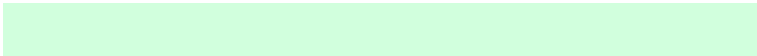
83.5371, 56.3544, 41.8397

Sweetspot

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



34.1470, 56.3567, 28.1479



75.1458, 90.3151, 81.9407



49.3034, 64.3821, 19.2801



15.4911, 19.0431, 16.7076



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.



34.1470, 56.3567, 28.1479



41.7391, 74.2152, 29.6900



39.7488, 58.5974, 57.6466



13.6750, 15.3957, 15.3238



16.0078, 31.2280, 7.7643



1.1459, 2.1791, 0.7294

Inverse Universe

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



43.0827, 26.4647, 50.4163



54.7867, 30.3247, 62.0257



37.5493, 24.2513, 21.2779



14.1342, 13.8713, 16.4766



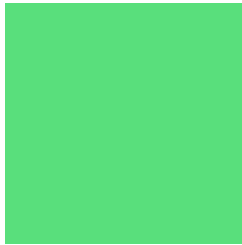
21.9220, 10.8358, 22.0526



1.5556, 0.7655, 1.7185

Previews

White Background



This preview shows how the XYZ color 34.1456, 56.3544, 28.1466 looks on a white background.

Color Contrast Check

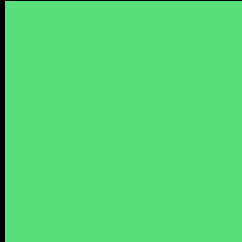
Large Text (above 18pt) WCAG AA × Fail

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 34.1456, 56.3544, 28.1466 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 34.1456, 56.3544, 28.1466

Background



This preview shows how black text looks on a background with the XYZ color 34.1456, 56.3544, 28.1466.

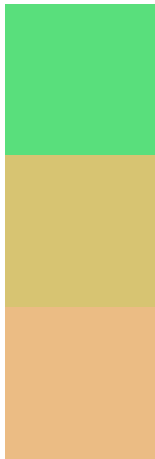


This preview shows how white text looks on a background with the XYZ color 34.1456, 56.3544,

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

34.1456, 56.3544, 28.1466

Protanopia

50.8015, 55.1418, 23.8855

Deuteranopia

56.4090, 55.2946, 29.5296



Tritanopia

44.7691, 56.0415, 81.8563

Trichromacy



Original Color

34.1456, 56.3544, 28.1466



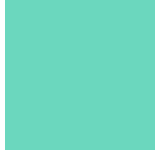
Protanomaly

41.7035, 53.8856, 25.3425



Deuteranomaly

44.1405, 53.3034, 28.7310



Tritanomaly

39.6581, 55.4444, 57.3268

Monochromacy



Original Color

34.1456, 56.3544, 28.1466



Achromatopsia

39.2122, 41.2543, 44.9259



Achromatomaly

35.7025, 45.3789, 37.8876

CSS Examples

Text

The CSS property to change the color of the text to XYZ 34.1456, 56.3544, 28.1466 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(89, 223, 124)` looks like.

```
.text, #text, p{  
    color:rgb(89, 223, 124)  
}
```

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(89, 223, 124) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(89, 223, 124) }
```

Border

The CSS property to change the border of an element to XYZ 34.1456, 56.3544, 28.1466 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(89, 223, 124) }
```


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

```
.border{ border-color:rgb(89, 223, 124) }
```

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

Here you see how a box with a 4 pixel `rgb(89, 223, 124)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(89, 223, 124); -webkit-box-  
shadow:4px 4px 4px 4px rgb(89, 223, 124);  
box-shadow:4px 4px 4px 4px rgb(89, 223,  
124) }
```

Background

The CSS property to change the background color of an element to XYZ 34.1456, 56.3544, 28.1466 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(89, 223, 124) }
```

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

```
.background{ background-color: rgb(89, 223,  
124) }
```

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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