

Converting Colors

XYZ(28.4436, 40.0732, 15.9953)

Have a look what the booklet for
XYZ(28.4436, 40.0732, 15.9953)
contains.

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Color

**XYZ(28.5545, 40.2614,
15.9391)**

Conversions

Conversions Part 1

Format	Color
Hex	83B95A
RGB	131, 185, 90
RGB Percent	51%, 73%, 35%
CMY	0.4863, 0.2745, 0.6470
CMYK	0.29, 0.00, 0.51, 0.27
HSL	94°, 40%, 54%
HSV	94°, 51%, 73%
XYZ	28.5545, 40.2614, 15.9391
YIQ	158.0240, -1.6890, -40.9930

Conversions

Conversions Part 2

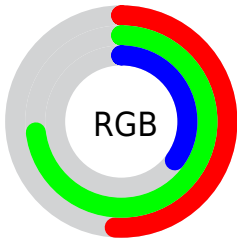
Format	Color
RYB	90, 185, 144
Decimal	8632666
CIELab	69.66, -34.33, 42.28
CIELCh	70, 54.459, 129.078
Yxy	40.2614, 0.3369, 0.4750
Android (android.graphics.Color)	4286822746 (0xFF83B95A)
YUV	158.0240, -33.5358, -23.7000
Hunter-Lab	63.4519, -30.7125, 29.5227

Details

The XYZ color **28.5545, 40.2614, 15.9391** is a dark color, and the websafe version is hex **99CC66**. A complement of this color would be **23.9165, 16.7456, 47.8729**, and the grayscale version is **32.6591, 34.3599, 37.4180**.

A 20% lighter version of the original color is **56.5875, 75.3027, 37.1436**, and **11.6412, 18.0055, 4.8693** is the 20% darker color. If you saturate the color by 10%, you get **26.3163, 39.1888, 12.2233**, and if you desaturate by 10%, it is **31.1560, 41.5012, 20.6966**.

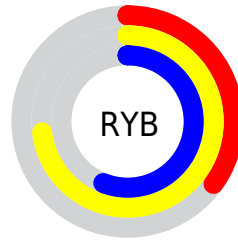
Distribution



Red (51%)

Green (73%)

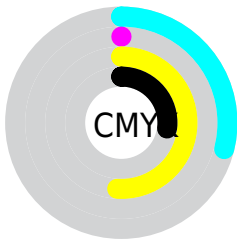
Blue (35%)



Red (35%)

Yellow (73%)

Blue (56%)

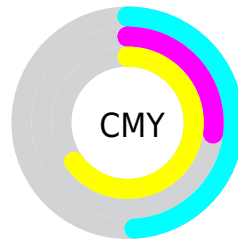


Cyan (29%)

Magenta (0%)

Yellow (51%)

Black (27%)



Cyan (49%)


Magenta (27%)


Yellow (65%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 28.5545, 40.2614, 15.9391 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 28.5545, 40.2614, 15.9391 by changing the saturation by 10% instead.


 28.5545, 40.2614,
15.9391


 28.5545, 40.2614,
15.9391


287.1394,
347.2241, 240.8155


 18.8866, 27.7424,
9.3272


 56.7710, 75.5614,
37.2578

 11.6919, 18.1316,
4.8555


 76.0504, 99.1112,
52.8016

 6.6050, 11.0445,
2.1055


 99.2643, 127.1067,
72.1598

 3.2604, 6.0968,
0.6190

 126.7781,
159.9324, 95.7509

 1.2929, 2.9040,
0.0000

158.9571,
197.9726, 123.9935

 0.1779, 1.0818,
0.0000

196.1668,

 0.0000, 0.0000,

241.6116, 157.3061

0.0000

238.7724,
291.2340, 196.1073

■ 28.5545, 40.2614,
15.9391

■ 28.5545, 40.2614,
15.9391

■ 26.3163, 39.1888,
12.2233

■ 31.1560, 41.5012,
20.6966

■ 24.4187, 38.2695,
9.4681

■ 34.1359, 42.9106,
26.5633

■ 22.8408, 37.4961,
7.5852

■ 37.5119, 44.4986,
33.6042

■ 21.5568, 36.8576,
6.4683

■ 41.2993, 46.2719,
41.8786

■ 20.6444, 36.3980,
5.9375

■ 45.5130, 48.2369,
51.4417

■ 50.1668, 50.3994,
62.3454

■ 55.2738, 52.7654,
74.6387

■ 60.8467, 55.3402,
88.3682

■ 66.6541, 58.0318,
102.2959

Harmonies

Analogous

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



35.6572, 40.2614, 11.2703



28.5545, 40.2614, 15.9391



24.5293, 40.2614, 28.7001

Triad

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



28.5545, 40.2614, 15.9391



32.5332, 40.2614, 106.5313



57.5426, 40.2614, 36.6228

Complementary

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



28.5545, 40.2614, 15.9391



23.9165, 16.7456, 47.8729

Split Complementary

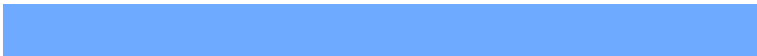
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



56.3637, 40.2614, 63.5365



28.5545, 40.2614, 15.9391



41.0016, 40.2614, 111.2819

Square

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



28.5545, 40.2614, 15.9391



26.5696, 40.2614, 82.0659



49.9651, 40.2614, 93.2907



52.9753, 40.2614, 19.8225

Rectangle

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



28.5545, 40.2614, 15.9391



23.7102, 40.2614, 43.0619



49.9651, 40.2614, 93.2907



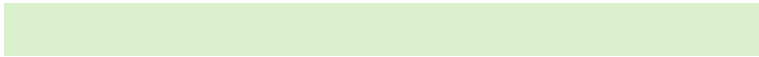
57.8185, 40.2614, 44.6230

Sweetspot

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



28.5555, 40.2631, 15.9400



71.2324, 81.5917, 68.9609



31.8027, 30.9501, 13.9712



15.0504, 17.4463, 14.1982



88.6918, 93.3107, 101.6153



17.8044, 18.7317, 20.3988

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



28.5555, 40.2631, 15.9400



46.5237, 69.8908, 20.9552



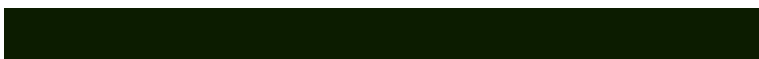
23.6933, 37.7241, 17.1803



9.2481, 10.2445, 9.5969



14.1366, 24.8240, 4.0464



0.5695, 0.9118, 0.1460

Inverse Universe

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



23.9165, 16.7456, 47.8729



37.2386, 22.9499, 84.6717



31.7683, 20.8689, 44.8271



8.9965, 8.9646, 11.3356



10.0274, 4.4805, 31.5894



0.4229, 0.1938, 1.1169

Previews

White Background



This preview shows how the XYZ color 28.5545, 40.2614, 15.9391 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 28.5545, 40.2614, 15.9391 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

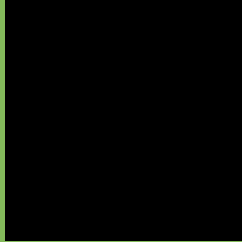
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 28.5545, 40.2614, 15.9391

Background



This preview shows how black text looks on a background with the XYZ color 28.5545, 40.2614, 15.9391.



This preview shows how white text looks on a background with the XYZ color 28.5545, 40.2614,

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

28.5545, 40.2614, 15.9391

Protanopia

36.5079, 39.9701, 14.3852

Deuteranopia

40.7638, 39.9506, 16.6291



Tritanopia

36.0672, 40.0139, 53.3995

Trichromacy



Original Color

28.5545, 40.2614, 15.9391

Protanomaly

32.9866, 39.5636, 14.9148

Deuteranomaly

34.9855, 39.1413, 16.3008

Tritanomaly

32.5724, 39.7705, 35.6655

Monochromacy



Original Color

28.5545, 40.2614, 15.9391

Achromatopsia

32.4990, 34.1914, 37.2345

Achromatomaly

30.4490, 35.9946, 27.5331

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.5545, 40.2614, 15.9391 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(131, 185, 90)` looks like.

```
.text, #text, p{  
    color:rgb(131, 185, 90)  
}
```

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(131, 185, 90) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(131, 185, 90) }
```

Border

The CSS property to change the border of an element to XYZ 28.5545, 40.2614, 15.9391 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(131, 185, 90) }
```


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

```
.border{ border-color:rgb(131, 185, 90) }
```

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

Here you see how a box with a 4 pixel `rgb(131, 185, 90)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(131, 185, 90); -webkit-box-  
shadow:4px 4px 4px 4px rgb(131, 185, 90);  
box-shadow:4px 4px 4px 4px rgb(131, 185,  
90) }
```

Background

The CSS property to change the background color of an element to XYZ 28.5545, 40.2614, 15.9391 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(131, 185, 90) }
```

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

```
.background{ background-color: rgb(131,  
185, 90) }
```

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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