

Converting Colors

XYZ(43.5423, 62.9913, 19.7107)

Have a look what the booklet for
XYZ(43.5423, 62.9913, 19.7107)
contains.

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Color

**XYZ(43.6555, 63.0644,
19.7693)**

Conversions

Conversions Part 1

Format	Color
Hex	9FE35B
RGB	159, 227, 91
RGB Percent	62%, 89%, 36%
CMY	0.3765, 0.1098, 0.6431
CMYK	0.30, 0.00, 0.60, 0.11
HSL	90°, 71%, 62%
HSV	90°, 60%, 89%
XYZ	43.6555, 63.0644, 19.7693
YIQ	191.1640, 3.1280, -56.7120

Conversions

Conversions Part 2

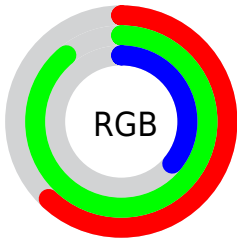
Format	Color
R_{YB}	91, 227, 159
Decimal	10478427
CIE _{Lab}	83.48, -43.00, 58.26
CIE _{LCh}	83, 72.410, 126.430
Yxy	63.0644, 0.3451, 0.4986
Android (android.graphics.Color)	4288668507 (0xFF9FE35B)
YUV	191.1640, -49.3809, -28.2078
Hunter-Lab	79.4131, -40.8467, 40.8294

Details

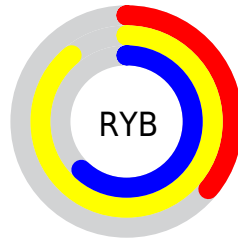
The XYZ color **43.6555, 63.0644, 19.7693** is a light color, and the websafe version is hex **99CC33**. The color can be described as light muted chartreuse. A complement of this color would be **31.9071, 20.4010, 74.9326**, and the grayscale version is **49.8944, 52.4928, 57.1646**.

A 20% lighter version of the original color is **69.5636, 88.3470, 40.5804**, and **20.4452, 32.1249, 6.6365** is the 20% darker color. If you saturate the color by 10%, you get **40.6724, 61.6251, 15.2687**, and if you desaturate by 10%, it is **47.1444, 64.7342, 25.8417**.

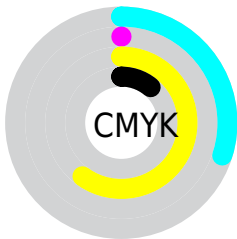
Distribution



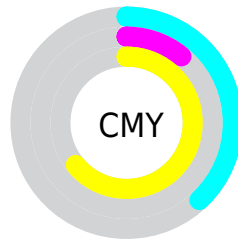
- Red (62%)
- Green (89%)
- Blue (36%)



- Red (36%)
- Yellow (89%)
- Blue (62%)



- Cyan (30%)
- Magenta (0%)
- Yellow (60%)
- Black (11%)



- Cyan (38%)
- Magenta (11%)
- Yellow (64%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 43.6555, 63.0644, 19.7693 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 43.6555, 63.0644, 19.7693 by changing the saturation by 10% instead.

■ 43.6555, 63.0644,
19.7693

■ 43.6555, 63.0644,
19.7693

352.1766,
435.8032, 263.2262

■ 30.5965, 45.8933,
12.0450

■ 79.9487, 109.2624,
43.8839

■ 20.4421, 32.1616,
6.6515

■ 103.9136,
139.0581, 61.1114

■ 12.8270, 21.4850,
3.1700

■ 132.2445,
173.8308, 82.3437

■ 7.3857, 13.4790,
1.1821

■ 165.3067,
213.9649, 107.9993

■ 3.7529, 7.7592,
0.0000

203.4657,
259.8448, 138.4968

■ 1.5633, 3.9412,
0.0000

247.0868,

■ 0.3683, 1.6408,

311.8549, 174.2548

0.0000

296.5353,
370.3796, 215.6918

■ 0.0000, 0.3848,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 43.6555, 63.0644,
19.7693

■ 43.6555, 63.0644,
19.7693

■ 40.6724, 61.6251,
15.2687

■ 47.1444, 64.7342,
25.8417

■ 38.1576, 60.3942,
12.1901


■ 51.1643, 66.6388,
33.6097


■ 36.0738, 59.3583,
10.3615


■ 55.7434, 68.7921,
43.1891

■ 34.3585, 58.4916,
9.4849


■ 60.9066, 71.2047,
54.6847


 34.3443, 58.4845,
9.4785

 66.6769, 73.8864,
68.1930

 73.0761, 76.8464,
83.8042

 80.1247, 80.0935,
101.6030

 84.8759, 82.4493,
106.0486

 86.7604, 83.4208,
106.1368

Harmonies

Analogous

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



56.6041, 63.0644, 13.4300



43.6555, 63.0644, 19.7693



36.1928, 63.0644, 39.4297

Triad

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



43.6555, 63.0644, 19.7693



48.5991, 63.0644, 183.2067



95.4648, 63.0644, 59.3805

Complementary

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



43.6555, 63.0644, 19.7693



31.9071, 20.4010, 74.9326

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.



92.3055, 63.0644, 109.6456



43.6555, 63.0644, 19.7693



63.4061, 63.0644, 196.4181

Square

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



43.6555, 63.0644, 19.7693



38.6769, 63.0644, 134.3428



79.8430, 63.0644, 165.1033



87.8445, 63.0644, 28.8864

Rectangle

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



43.6555, 63.0644, 19.7693



34.4536, 63.0644, 63.3914



79.8430, 63.0644, 165.1033



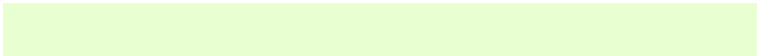
95.6450, 63.0644, 74.2263

Sweetspot

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



43.6570, 63.0672, 19.7707



80.5755, 93.2923, 74.1470



45.9675, 41.8849, 15.5603



16.7990, 19.7599, 14.8461



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.



43.6570, 63.0672, 19.7707



52.0542, 79.7871, 18.6857



33.6737, 57.9206, 19.3035



14.8724, 16.4413, 15.2941



20.1634, 34.1761, 5.5339



1.5971, 2.5807, 0.4140

Inverse Universe

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



31.9071, 20.4010, 74.9326



35.4752, 19.5858, 96.5184



49.2873, 29.3609, 75.7460



14.2660, 14.2394, 18.1409



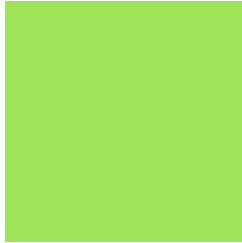
12.2306, 5.3710, 42.7753



1.0109, 0.4521, 3.1660

Previews

White Background



This preview shows how the XYZ color 43.6555, 63.0644, 19.7693 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 43.6555, 63.0644, 19.7693 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

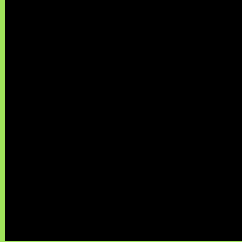
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 43.6555, 63.0644, 19.7693

Background



This preview shows how black text looks on a background with the XYZ color 43.6555, 63.0644, 19.7693.



This preview shows how white text looks on a background with the XYZ color 43.6555, 63.0644,

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

43.6555, 63.0644, 19.7693

Protanopia

56.9075, 62.2704, 17.6144

Deuteranopia

63.5552, 62.1321, 20.9549



Tritanopia

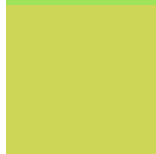
56.6676, 62.8854, 84.0143

Trichromacy



Original Color

43.6555, 63.0644, 19.7693



Protanomaly

50.9437, 61.7604, 18.2528



Deuteranomaly

54.2287, 61.1905, 20.2620



Tritanomaly

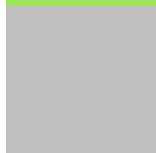
50.2213, 62.1681, 52.0005

Monochromacy



Original Color

43.6555, 63.0644, 19.7693



Achromatopsia

49.5206, 52.0996, 56.7364



Achromatomaly

46.0997, 55.1360, 39.2229

CSS Examples

Text

The CSS property to change the color of the text to XYZ 43.6555, 63.0644, 19.7693 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(159, 227, 91)` looks like.

```
.text, #text, p{  
    color:rgb(159, 227, 91)  
}
```

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(159, 227, 91) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(159, 227, 91) }
```

Border

The CSS property to change the border of an element to XYZ 43.6555, 63.0644, 19.7693 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(159, 227, 91) }
```


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

```
.border{ border-color:rgb(159, 227, 91) }
```

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

Here you see how a box with a 4 pixel `rgb(159, 227, 91)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(159, 227, 91); -webkit-box-  
shadow:4px 4px 4px 4px rgb(159, 227, 91);  
box-shadow:4px 4px 4px 4px rgb(159, 227,  
91) }
```

Background

The CSS property to change the background color of an element to XYZ 43.6555, 63.0644, 19.7693 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(159, 227, 91) }
```

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

```
.background{ background-color: rgb(159,  
227, 91) }
```

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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