

Converting Colors

XYZ(40.5695, 62.8481, 19.7670)

Have a look what the booklet for
XYZ(40.5695, 62.8481, 19.7670)
contains.

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Color

**XYZ(40.4588, 62.6502,
19.6332)**

Conversions

Conversions Part 1

Format	Color
Hex	89E65A
RGB	137, 230, 90
RGB Percent	54%, 90%, 35%
CMY	0.4627, 0.0980, 0.6470
CMYK	0.40, 0.00, 0.61, 0.10
HSL	100°, 74%, 63%
HSV	100°, 61%, 90%
XYZ	40.4588, 62.6502, 19.6332
YIQ	186.2330, -10.4880, -63.2560

Conversions

Conversions Part 2

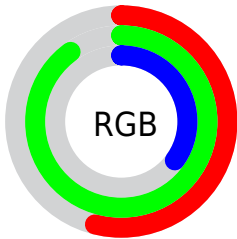
Format	Color
RYB	90, 230, 183
Decimal	9037402
CIELab	83.26, -51.71, 58.14
CIELCh	83, 77.815, 131.650
Yxy	62.6502, 0.3296, 0.5104
Android (android.graphics.Color)	4287227482 (0xFF89E65A)
YUV	186.2330, -47.4429, -43.1773
Hunter-Lab	79.1519, -47.2748, 40.6997

Details

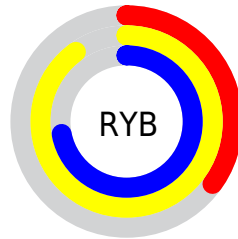
The XYZ color **40.4588, 62.6502, 19.6332** is a light color, and the websafe version is hex **99FF66**. The color can be described as light muted chartreuse. A complement of this color would be **37.4708, 23.0949, 77.3492**, and the grayscale version is **47.0663, 49.5174, 53.9245**.

A 20% lighter version of the original color is **63.3765, 85.1664, 39.8865**, and **18.6350, 32.0442, 6.6418** is the 20% darker color. If you saturate the color by 10%, you get **37.2979, 61.1187, 15.1421**, and if you desaturate by 10%, it is **44.2803, 64.4910, 25.7384**.

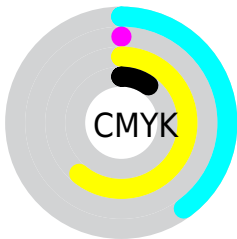
Distribution



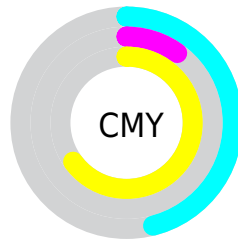
- Red (54%)
- Green (90%)
- Blue (35%)



- Red (35%)
- Yellow (90%)
- Blue (72%)



- Cyan (40%)
- Magenta (0%)
- Yellow (61%)
- Black (10%)



- Cyan (46%)
- Magenta (10%)
- Yellow (65%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 40.4588, 62.6502, 19.6332 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 40.4588, 62.6502, 19.6332 by changing the saturation by 10% instead.

40.4588, 62.6502,
19.6332

40.4588, 62.6502,
19.6332

339.1549,
434.2989, 262.4607

28.0822, 45.5583,
11.9473

75.1416, 108.6647,
43.6522

18.5284, 31.8974,
6.5857

98.1785, 138.3561,
60.8224

11.4320, 21.2831,
3.1299

125.4996,
173.0161, 81.9910

6.4276, 13.3311,
1.1613

157.4702,
213.0290, 107.5767

3.1499, 7.6570,
0.0000

194.4557,
258.7794, 137.9980

1.2335, 3.8762,
0.0000

236.8214,

0.1326, 1.6046,

310.6516, 173.6734

0.0000

284.9327,
369.0299, 215.0214

0.0000, 0.3607,
0.0000

0.0000, 0.0000,
0.0000

40.4588, 62.6502,
19.6332

40.4588, 62.6502,
19.6332

37.2979, 61.1187,
15.1421

44.2803, 64.4910,
25.7384

34.7492, 59.8694,
12.1077


48.7972, 66.6505,
33.5875


32.7638, 58.8828,
10.3483

54.0468, 69.1472,
43.3017

31.3755, 58.1827,
9.5767

60.0622, 71.9958,
54.9903

 66.8746, 75.2101,
68.7542

 74.5131, 78.8032,
84.6873

 83.0054, 82.7873,
102.8778

 87.5881, 85.0763,
106.4127

Harmonies

Analogous

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



53.2239, 62.6502, 11.6407



40.4588, 62.6502, 19.6332



33.7253, 62.6502, 42.9144

Triad

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



40.4588, 62.6502, 19.6332



49.8929, 62.6502, 200.1383



97.3742, 62.6502, 51.0969

Complementary

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



40.4588, 62.6502, 19.6332



37.4708, 23.0949, 77.3492

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.



96.0166, 62.6502, 101.9031



40.4588, 62.6502, 19.6332



66.3524, 62.6502, 205.9616

Square

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



40.4588, 62.6502, 19.6332



38.4192, 62.6502, 150.6270



83.8556, 62.6502, 164.0446



87.2740, 62.6502, 23.1793

Rectangle

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



40.4588, 62.6502, 19.6332



32.6161, 62.6502, 70.9308



83.8556, 62.6502, 164.0446



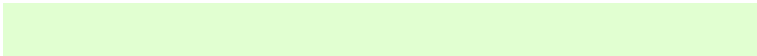
98.2875, 62.6502, 65.5703

Sweetspot

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



40.4603, 62.6529, 19.6346



78.1791, 92.0570, 74.0348



51.0051, 50.6117, 16.7546



16.2180, 19.4604, 14.8189



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.



40.4603, 62.6529, 19.6346



46.2419, 76.8001, 17.9925



35.3845, 59.9179, 24.7406



14.6430, 16.3230, 15.2833



17.8787, 32.9983, 5.4270



1.4171, 2.4879, 0.4055

Inverse Universe

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



37.4708, 23.0949, 77.3492



42.0372, 22.7314, 96.7797



47.8004, 28.7405, 63.3528



14.5005, 14.3602, 18.1519



15.6365, 7.1268, 42.9346



1.2533, 0.5771, 3.1773

Previews

White Background



This preview shows how the XYZ color 40.4588, 62.6502, 19.6332 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 40.4588, 62.6502, 19.6332 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

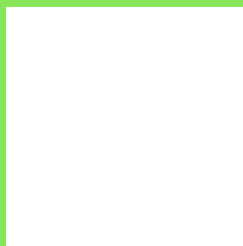
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 40.4588, 62.6502, 19.6332

Background



This preview shows how black text looks on a background with the XYZ color 40.4588, 62.6502, 19.6332.



This preview shows how white text looks on a background with the XYZ color 40.4588, 62.6502,

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

40.4588, 62.6502, 19.6332

Protanopia

56.5073, 62.0732, 17.1867

Deuteranopia

62.9132, 61.4708, 20.6058



Tritanopia

53.7611, 62.4685, 86.3149

Trichromacy



Original Color

40.4588, 62.6502, 19.6332



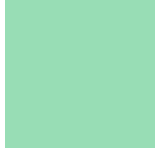
Protanomaly

48.7451, 61.0085, 18.0108



Deuteranomaly

51.5312, 59.8052, 19.8939



Tritanomaly

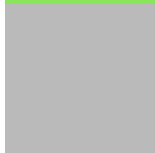
47.1458, 61.7245, 53.1452

Monochromacy



Original Color

40.4588, 62.6502, 19.6332



Achromatopsia

46.6715, 49.1021, 53.4722



Achromatomaly

42.8549, 52.8003, 37.2109

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.4588, 62.6502, 19.6332 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(137, 230, 90)` looks like.

```
.text, #text, p{  
    color:rgb(137, 230, 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(137, 230, 90) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(137, 230, 90) }
```

Border

The CSS property to change the border of an element to XYZ 40.4588, 62.6502, 19.6332 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(137, 230, 90) }
```


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

```
.border{ border-color:rgb(137, 230, 90) }
```

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

Here you see how a box with a 4 pixel `rgb(137, 230, 90)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(137, 230, 90); -webkit-box-  
shadow:4px 4px 4px 4px rgb(137, 230, 90);  
box-shadow:4px 4px 4px 4px rgb(137, 230,  
90) }
```

Background

The CSS property to change the background color of an element to XYZ 40.4588, 62.6502, 19.6332 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(137, 230, 90) }
```

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

```
.background{ background-color: rgb(137,  
230, 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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