

Converting Colors

XYZ(40.2870, 58.5418, 20.7788)

Have a look what the booklet for
XYZ(40.2870, 58.5418, 20.7788)
contains.

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Color

**XYZ(40.1922, 58.4578,
20.7204)**

Conversions

Conversions Part 1

Format	Color
Hex	95DC62
RGB	149, 220, 98
RGB Percent	58%, 86%, 38%
CMY	0.4157, 0.1372, 0.6157
CMYK	0.32, 0.00, 0.55, 0.14
HSL	95°, 64%, 62%
HSV	95°, 55%, 86%
XYZ	40.1922, 58.4578, 20.7204
YIQ	184.8630, -3.1540, -52.9940

Conversions

Conversions Part 2

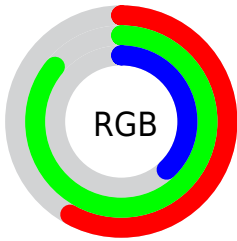
Format	Color
RYB	98, 220, 169
Decimal	9821282
CIELab	80.99, -42.78, 52.19
CIELCh	81, 67.482, 129.340
Yxy	58.4578, 0.3367, 0.4897
Android (android.graphics.Color)	4288011362 (0xFF95DC62)
YUV	184.8630, -42.8235, -31.4519
Hunter-Lab	76.4577, -39.9673, 37.4525

Details

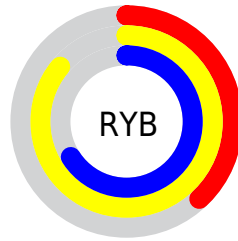
The XYZ color **40.1922, 58.4578, 20.7204** is a light color, and the websafe version is hex **99CC66**. A complement of this color would be **33.6509, 22.3395, 70.2518**, and the grayscale version is **46.2711, 48.6808, 53.0134**.

A 20% lighter version of the original color is **66.8811, 86.9088, 42.9558**, and **18.2633, 29.0675, 7.1306** is the 20% darker color. If you saturate the color by 10%, you get **37.0842, 56.9614, 15.8781**, and if you desaturate by 10%, it is **43.8454, 60.2059, 27.0806**.

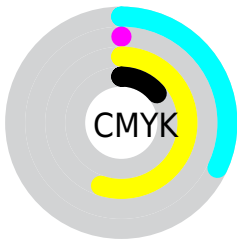
Distribution



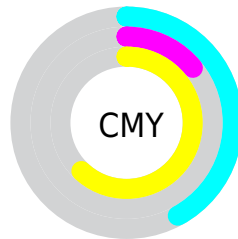
- Red (58%)
- Green (86%)
- Blue (38%)



- Red (38%)
- Yellow (86%)
- Blue (66%)



- Cyan (32%)
- Magenta (0%)
- Yellow (55%)
- Black (14%)





- Cyan (42%)
- Magenta (14%)
- Yellow (62%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 40.1922, 58.4578, 20.7204 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 40.1922, 58.4578, 20.7204 by changing the saturation by 10% instead.


 40.1922, 58.4578,
20.7204


 40.1922, 58.4578,
20.7204


338.0535,
418.8896, 268.5209

 27.8733, 42.1768,
12.7305


 74.7386, 102.5892,
45.4965


 18.3701, 29.2398,
7.1147


 97.6968, 131.2084,
63.1197

 11.3174, 19.2623,
3.4544


 124.9321,
164.7092, 84.7912

 6.3496, 11.8599,
1.3311

 156.8100,
203.4758, 110.9295

 3.1015, 6.6484,
0.0871

193.6957,
247.8928, 141.9530

 1.2076, 3.2432,
0.0000

235.9546,

 0.1124, 1.2600,

298.3445, 178.2804

0.0000

283.9521,
355.2153, 220.3302

■ 0.0000, 0.1099,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 40.1922, 58.4578,
20.7204

■ 40.1922, 58.4578,
20.7204

■ 37.0842, 56.9614,
15.8781

■ 43.8454, 60.2059,
27.0806

■ 34.4848, 55.6951,
12.4230


■ 48.0687, 62.2107,
35.0673


■ 32.3589, 54.6459,
10.2089


■ 52.8904, 64.4863,
44.7837


■ 30.6628, 53.7954,
9.0547

■ 58.3354, 67.0435,
56.3234

 30.0043, 53.4622,
8.7379

 64.4271, 69.8926,
69.7732

 71.1876, 73.0430,
85.2142

 78.6380, 76.5040,
102.7231

 83.5847, 78.9988,
105.4507

 84.8844, 79.6689,
105.5115

Harmonies

Analogous

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



51.3092, 58.4578, 13.8740



40.1922, 58.4578, 20.7204



33.9981, 58.4578, 40.1510

Triad

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



40.1922, 58.4578, 20.7204



46.5999, 58.4578, 166.3998



86.5640, 58.4578, 51.9463

Complementary

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



40.1922, 58.4578, 20.7204



33.6509, 22.3395, 70.2518

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.



84.7311, 58.4578, 94.8916



40.1922, 58.4578, 20.7204



60.0443, 58.4578, 173.9773

Square

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



40.1922, 58.4578, 20.7204



37.2434, 58.4578, 126.0581



74.4230, 58.4578, 143.7782



79.0767, 58.4578, 26.2337

Rectangle

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



40.1922, 58.4578, 20.7204



32.7675, 58.4578, 62.7671



74.4230, 58.4578, 143.7782



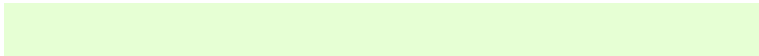
87.0418, 58.4578, 64.5423

Sweetspot

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



40.1936, 58.4603, 20.7217



80.1590, 93.0408, 75.7900



45.5653, 43.7861, 17.6061



16.8186, 19.7557, 15.4972



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.



40.1936, 58.4603, 20.7217



50.9924, 79.1871, 21.0154



33.2405, 54.8292, 22.5042



13.3997, 14.8708, 13.8897



17.7289, 31.4371, 5.1336



1.2453, 2.0865, 0.3371

Inverse Universe

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



33.6509, 22.3395, 70.2518



40.8998, 23.7231, 97.0311



45.7521, 28.6994, 65.3304



13.0610, 12.9896, 16.4710



12.9394, 5.7947, 40.1749



0.9356, 0.4256, 2.6073

Previews

White Background



This preview shows how the XYZ color 40.1922, 58.4578, 20.7204 looks on a white background.

Color Contrast Check

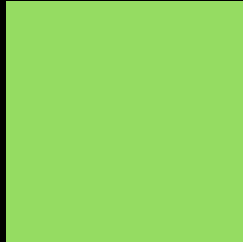
Large Text (above 18pt) WCAG AA × Fail

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 40.1922, 58.4578, 20.7204 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 40.1922, 58.4578, 20.7204

Background



This preview shows how black text looks on a background with the XYZ color 40.1922, 58.4578, 20.7204.

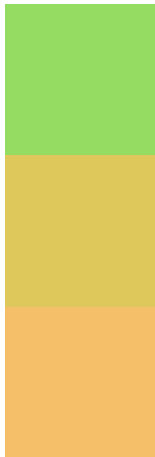


This preview shows how white text looks on a background with the XYZ color 40.1922, 58.4578,

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

40.1922, 58.4578, 20.7204

Protanopia

52.7102, 57.6109, 18.4671

Deuteranopia

58.8885, 57.7147, 21.6720



Tritanopia

51.7806, 58.2782, 78.3317

Trichromacy



Original Color

40.1922, 58.4578, 20.7204

Protanomaly

46.8389, 57.0359, 19.1300

Deuteranomaly

50.1471, 56.9220, 21.1760

Tritanomaly

46.2773, 57.8784, 50.8521

Monochromacy



Original Color

40.1922, 58.4578, 20.7204

Achromatopsia

46.1135, 48.5150, 52.8328

Achromatomaly

42.9571, 51.4587, 37.8054

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.1922, 58.4578, 20.7204 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(149, 220, 98)` looks like.

```
.text, #text, p{  
    color:rgb(149, 220, 98)  
}
```

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(149, 220, 98) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(149, 220, 98) }
```

Border

The CSS property to change the border of an element to XYZ 40.1922, 58.4578, 20.7204 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(149, 220, 98) }
```


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

```
.border{ border-color:rgb(149, 220, 98) }
```

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

Here you see how a box with a 4 pixel `rgb(149, 220, 98)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(149, 220, 98); -webkit-box-  
shadow:4px 4px 4px 4px rgb(149, 220, 98);  
box-shadow:4px 4px 4px 4px rgb(149, 220,  
98) }
```

Background

The CSS property to change the background color of an element to XYZ 40.1922, 58.4578, 20.7204 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(149, 220, 98) }
```

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

```
.background{ background-color: rgb(149,  
220, 98) }
```

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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