

Converting Colors

XYZ(40.5314, 58.1478, 24.1619)

Have a look what the booklet for
XYZ(40.5314, 58.1478, 24.1619)
contains.

XYZ(40.5952, 58.2003, 24.1331)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(40.5952, 58.2003,
24.1331)**

Conversions

Conversions Part 1

Format	Color
Hex	95DB6F
RGB	149, 219, 111
RGB Percent	58%, 86%, 44%
CMY	0.4157, 0.1412, 0.5647
CMYK	0.32, 0.00, 0.49, 0.14
HSL	99°, 60%, 65%
HSV	99°, 49%, 86%
XYZ	40.5952, 58.2003, 24.1331
YIQ	185.7580, -7.0520, -48.4280

Conversions

Conversions Part 2

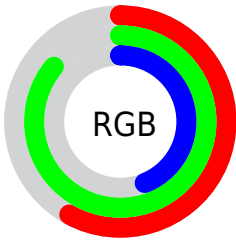
Format	Color
RYB	111, 219, 181
Decimal	9821039
CIELab	80.85, -40.91, 45.95
CIElCh	81, 61.522, 131.683
Yxy	58.2003, 0.3302, 0.4734
Android (android.graphics.Color)	4288011119 (0xFF95DB6F)
YUV	185.7580, -36.8557, -32.2368
Hunter-Lab	76.2891, -38.5220, 34.6467

Details

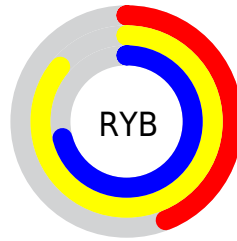
The XYZ color **40.5952, 58.2003, 24.1331** is a light color, and the websafe version is hex **99CC66**. A complement of this color would be **37.5293, 26.3089, 70.1211**, and the grayscale version is **46.7405, 49.1747, 53.5512**.

A 20% lighter version of the original color is **68.0051, 87.3584, 48.8749**, and **18.6810, 29.2464, 8.7982** is the 20% darker color. If you saturate the color by 10%, you get **37.1005, 56.5232, 18.4284**, and if you desaturate by 10%, it is **44.7041, 60.1634, 31.4119**.

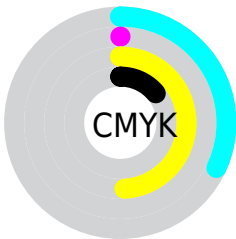
Distribution



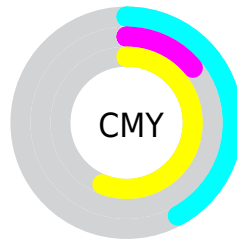
- Red (58%)
- Green (86%)
- Blue (44%)



- Red (44%)
- Yellow (86%)
- Blue (71%)



- Cyan (32%)
- Magenta (0%)
- Yellow (49%)
- Black (14%)





- Cyan (42%)
- Magenta (14%)
- Yellow (56%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 40.5952, 58.2003, 24.1331 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 40.5952, 58.2003, 24.1331 by changing the saturation by 10% instead.


 40.5952, 58.2003,
24.1331


 40.5952, 58.2003,
24.1331


339.7175,
417.9319, 286.8009


 28.1892, 41.9697,
15.2193


 75.3476, 102.2145,
51.1939


 18.6095, 29.0776,
8.8251


 98.4247, 130.7669,
70.1779

 11.4908, 19.1395,
4.5320


 125.7896,
164.1953, 93.3557

 6.4677, 11.7711,
1.9215

 157.8075,
202.8841, 121.1459

 3.1748, 6.5880,
0.5064

194.8439,
247.2178, 153.9670

 1.2469, 3.2058,
0.0000

237.2642,

 0.1429, 1.2401,

297.5808, 192.2374

0.0000

285.4336,
354.3573, 236.3759

■ 0.0000, 0.0941,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 40.5952, 58.2003,
24.1331

■ 40.5952, 58.2003,
24.1331

■ 37.1005, 56.5232,
18.4284

■ 44.7041, 60.1634,
31.4119

■ 34.1825, 55.1099,
14.1777


■ 49.4533, 62.4185,
40.3656


■ 31.8054, 53.9469,
11.2496


■ 54.8728, 64.9806,
51.0910


■ 29.9270, 53.0155,
9.4876


■ 60.9888, 67.8613,
63.6766


 28.4848, 52.2894,
8.6347

 67.8264, 71.0717,
78.2049

 28.3974, 52.2453,
8.5877

 75.4092, 74.6223,
94.7533

 82.2248, 77.9093,
105.3120

 84.6227, 79.1455,
105.4242

Harmonies

Analogous

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



50.5113, 58.2003, 16.5497



40.5952, 58.2003, 24.1331



35.1965, 58.2003, 43.8082

Triad

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



40.5952, 58.2003, 24.1331



47.9820, 58.2003, 155.8344



82.8910, 58.2003, 50.2181

Complementary

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



40.5952, 58.2003, 24.1331



37.5293, 26.3089, 70.1211

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.



81.9356, 58.2003, 88.0298



40.5952, 58.2003, 24.1331



60.4196, 58.2003, 159.6873

Square

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



40.5952, 58.2003, 24.1331



38.9888, 58.2003, 122.2950



73.2281, 58.2003, 131.3949



75.6671, 58.2003, 27.2710

Rectangle

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



40.5952, 58.2003, 24.1331



34.2954, 58.2003, 65.4502



73.2281, 58.2003, 131.3949



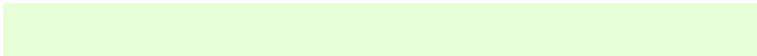
83.5424, 58.2003, 61.3348

Sweetspot

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



40.5966, 58.2028, 24.1344



80.9516, 93.3741, 79.2317



48.2854, 48.6109, 21.8777



16.9427, 19.8048, 16.1734



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.



40.5966, 58.2028, 24.1344



52.2855, 79.7473, 25.8807



35.6161, 55.5361, 28.3797



13.3165, 14.8279, 13.8858



16.9452, 31.0331, 5.0969



1.1893, 2.0577, 0.3345

Inverse Universe

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



37.5293, 26.3089, 70.1211



47.4315, 29.7978, 97.8594



45.8713, 30.8190, 61.0385



13.1467, 13.0337, 16.4750



14.3139, 6.5033, 40.2392



1.0194, 0.4688, 2.6112

Previews

White Background



This preview shows how the XYZ color 40.5952, 58.2003, 24.1331 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 40.5952, 58.2003, 24.1331 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 40.5952, 58.2003, 24.1331

Background



This preview shows how black text looks on a background with the XYZ color 40.5952, 58.2003, 24.1331.



This preview shows how white text looks on a background with the XYZ color 40.5952, 58.2003,

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

40.5952, 58.2003, 24.1331

Protanopia

52.6682, 57.5237, 21.4240

Deuteranopia

58.8630, 57.6243, 25.1597



Tritanopia

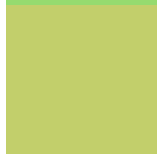
51.5685, 58.1689, 78.3218

Trichromacy



Original Color

40.5952, 58.2003, 24.1331



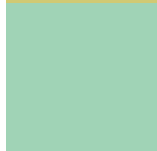
Protanomaly

47.2148, 57.1565, 22.4537



Deuteranomaly

50.2757, 56.5664, 24.4883



Tritanomaly

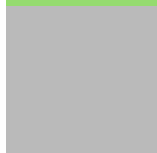
46.2350, 57.4395, 52.9061

Monochromacy



Original Color

40.5952, 58.2003, 24.1331



Achromatopsia

46.6715, 49.1021, 53.4722



Achromatomaly

43.6857, 51.7756, 40.4921

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.5952, 58.2003, 24.1331 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, 219, 111)` looks like.

```
.text, #text, p{  
    color:rgb(149, 219, 111)  
}
```

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, 219, 111) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(149, 219, 111) }
```

Border

The CSS property to change the border of an element to XYZ 40.5952, 58.2003, 24.1331 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, 219, 111) }
```


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

```
.border{ border-color:rgb(149, 219, 111) }
```

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

Here you see how a box with a 4 pixel `rgb(149, 219, 111)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(149, 219, 111); -webkit-box-  
shadow:4px 4px 4px 4px rgb(149, 219, 111);  
box-shadow:4px 4px 4px 4px rgb(149, 219,  
111) }
```

Background

The CSS property to change the background color of an element to XYZ 40.5952, 58.2003, 24.1331 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(149, 219, 111) }
```

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

```
.background{ background-color: rgb(149,  
219, 111) }
```

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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