

# Converting Colors

XYZ(42.0452, 58.2976, 24.0767)

Have a look what the booklet for  
XYZ(42.0452, 58.2976, 24.0767)  
contains.

<b>XYZ(41.9802, 58.1443, 24.0493)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# Color

**XYZ(41.9802, 58.1443,  
24.0493)**

# Conversions

## Conversions Part 1

Format	Color
Hex	9FD96F
RGB	159, 217, 111
RGB Percent	62%, 85%, 44%
CMY	0.3765, 0.1490, 0.5647
CMYK	0.27, 0.00, 0.49, 0.15
HSL	93°, 58%, 64%
HSV	93°, 49%, 85%
XYZ	41.9802, 58.1443, 24.0493
YIQ	187.5740, -0.5420, -45.2620

# Conversions

## Conversions Part 2

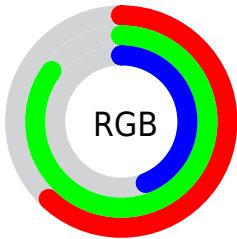
<b>Format</b>	<b>Color</b>
<b>RYB</b>	111, 217, 169
Decimal	10475887
CIELab	80.82, -36.54, 46.03
CIELCh	81, 58.776, 128.445
Yxy	58.1443, 0.3381, 0.4682
Android (android.graphics.Color)	4288665967 (0xFF9FD96F)
YUV	187.5740, -37.7510, -25.0594
Hunter-Lab	76.2524, -35.1699, 34.6772

# Details

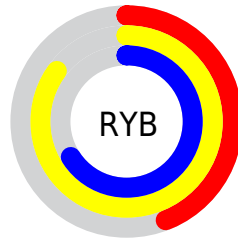
The XYZ color **41.9802, 58.1443, 24.0493** is a light color, and the websafe version is hex **99CC66**. A complement of this color would be **34.5734, 24.8153, 68.6164**, and the grayscale version is **47.7671, 50.2547, 54.7274**.

A 20% lighter version of the original color is **70.8704, 88.8355, 49.0090**, and **19.4187, 29.0995, 8.7310** is the 20% darker color. If you saturate the color by 10%, you get **38.6852, 56.5692, 18.3979**, and if you desaturate by 10%, it is **45.7946, 59.9573, 31.2423**.

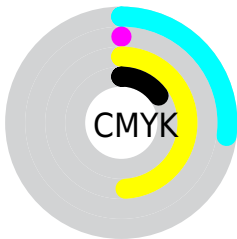
# Distribution



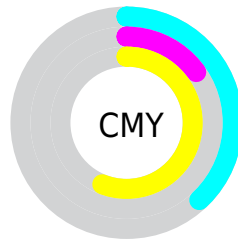
- Red (62%)
- Green (85%)
- Blue (44%)



- Red (44%)
- Yellow (85%)
- Blue (66%)



- Cyan (27%)
- Magenta (0%)
- Yellow (49%)
- Black (15%)



- Cyan (38%)
- Magenta (15%)
- Yellow (56%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 41.9802, 58.1443, 24.0493 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 41.9802, 58.1443, 24.0493 by changing the saturation by 10% instead.



■ 41.9802, 58.1443,  
24.0493

■ 41.9802, 58.1443,  
24.0493

345.3939,  
417.7234, 286.3642

■ 29.2768, 41.9247,  
15.1577

■ 77.4350, 102.1330,  
51.0555

■ 19.4357, 29.0423,  
8.7823

■ 100.9172,  
130.6708, 70.0071

■ 12.0914, 19.1128,  
4.5046

■ 128.7229,  
164.0835, 93.1491

■ 6.8786, 11.7518,  
1.9060

■ 161.2177,  
202.7554, 120.9001

■ 3.4319, 6.5749,  
0.4966

198.7669,  
247.0709, 153.6785

■ 1.3861, 3.1977,  
0.0000

241.7357,

■ 0.2463, 1.2358,

297.4145, 191.9030

0.0000

290.4896,  
354.1706, 235.9921

■ 0.0000, 0.0907,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 41.9802, 58.1443,  
24.0493

■ 41.9802, 58.1443,  
24.0493

■ 38.6852, 56.5692,  
18.3979

■ 45.7946, 59.9573,  
31.2423

■ 35.8775, 55.2124,  
14.1715


■ 50.1494, 62.0112,  
40.0747


■ 33.5277, 54.0634,  
11.2428


■ 55.0695, 64.3189,  
50.6407


■ 31.6000, 53.1071,  
9.4604


■ 60.5768, 66.8896,  
63.0263


 30.0422, 52.3217,  
8.5875


 66.6920, 69.7322,  
77.3117

 29.8791, 52.2392,  
8.5084

 73.4346, 72.8552,  
93.5723

 79.5239, 75.7469,  
105.0370

 83.7358, 77.9182,  
105.2341

 84.1040, 78.1081,  
105.2513

# Harmonies

## Analogous

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



51.9055, 58.1443, 17.5244



41.9802, 58.1443, 24.0493



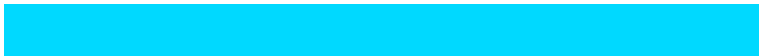
36.2676, 58.1443, 41.7816

# Triad

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



41.9802, 58.1443, 24.0493



47.1219, 58.1443, 148.0979



81.7288, 58.1443, 53.9871

# Complementary

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



41.9802, 58.1443, 24.0493



34.5734, 24.8153, 68.6164

# 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.



79.9508, 58.1443, 91.1933



41.9802, 58.1443, 24.0493



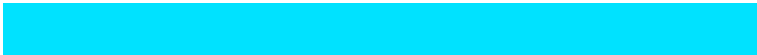
58.7652, 58.1443, 155.1711

# Square

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



41.9802, 58.1443, 24.0493



38.9194, 58.1443, 114.6562



71.0914, 58.1443, 131.4562



75.6440, 58.1443, 30.1680



# Rectangle

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



41.9802, 58.1443, 24.0493



35.0546, 58.1443, 61.5120



71.0914, 58.1443, 131.4562



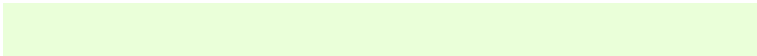
82.0467, 58.1443, 65.1411

# Sweetspot

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



41.9816, 58.1468, 24.0506



82.2064, 94.0210, 79.2904



45.4034, 43.7348, 21.0884



17.2434, 19.9598, 16.1875



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.



41.9816, 58.1468, 24.0506



55.4482, 81.3778, 26.0287



34.4378, 54.2349, 24.7334



13.4437, 14.8935, 13.8917



18.2047, 31.6823, 5.1558



1.2778, 2.1033, 0.3386



# Inverse Universe

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



34.5734, 24.8153, 68.6164



43.5191, 27.7809, 97.6763



46.3716, 30.9500, 66.7947



13.0163, 12.9665, 16.4689



12.2889, 5.4594, 40.1445



0.8950, 0.4046, 2.6054



# Previews

## White Background



This preview shows how the XYZ color 41.9802, 58.1443, 24.0493 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 41.9802, 58.1443, 24.0493 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 41.9802, 58.1443, 24.0493**

## **Background**



This preview shows how black text looks on a background with the XYZ color 41.9802, 58.1443, 24.0493.



This preview shows how white text looks on a background with the XYZ color 41.9802, 58.1443,



# 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

41.9802, 58.1443, 24.0493

### Protanopia

52.7193, 57.5441, 21.6931

### Deuteranopia

58.8038, 57.6006, 24.8484



## Tritanopia

52.5617, 57.9971, 76.8309

# Trichromacy



## Original Color

41.9802, 58.1443, 24.0493

## Protanomaly

48.0139, 57.2099, 22.4219

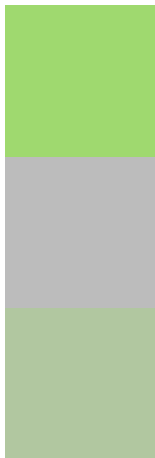
## Deuteranomaly

50.9002, 56.5434, 24.4509

## Tritanomaly

47.5031, 57.3721, 52.2863

# Monochromacy



## Original Color

41.9802, 58.1443, 24.0493

## Achromatopsia

47.7994, 50.2886, 54.7643

## Achromatomaly

44.9000, 52.7320, 41.0695

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 41.9802, 58.1443, 24.0493 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, 217, 111)` looks like.

```
.text, #text, p{  
    color:rgb(159, 217, 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(159, 217, 111) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(159, 217, 111) }
```

## Border

The CSS property to change the border of an element to XYZ 41.9802, 58.1443, 24.0493 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, 217, 111) }
```



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

```
.border{ border-color:rgb(159, 217, 111) }
```

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

Here you see how a box with a 4 pixel `rgb(159, 217, 111)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(159, 217, 111); -webkit-box-shadow:4px 4px 4px 4px rgb(159, 217, 111); box-shadow:4px 4px 4px 4px rgb(159, 217, 111) }
```

# Background

The CSS property to change the background color of an element to XYZ 41.9802, 58.1443, 24.0493 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(159, 217, 111) }
```

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

```
.background{ background-color: rgb(159,  
217, 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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