

Converting Colors

XYZ(41.2040, 57.8760, 31.1184)

Have a look what the booklet for
XYZ(41.2040, 57.8760, 31.1184)
contains.

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Color

**XYZ(41.3377, 58.0393,
31.2143)**

Conversions

Conversions Part 1

Format	Color
Hex	93DA85
RGB	147, 218, 133
RGB Percent	58%, 85%, 52%
CMY	0.4235, 0.1451, 0.4784
CMYK	0.33, 0.00, 0.39, 0.15
HSL	110°, 53%, 69%
HSV	110°, 39%, 85%
XYZ	41.3377, 58.0393, 31.2143
YIQ	187.0810, -15.0310, -41.4870

Conversions

Conversions Part 2

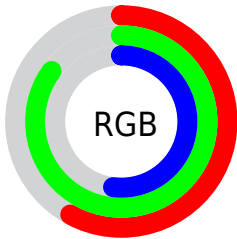
Format	Color
RYB	133, 218, 204
Decimal	9689733
CIELab	80.76, -38.25, 34.95
CIELCh	81, 51.813, 137.575
Yxy	58.0393, 0.3165, 0.4444
Android (android.graphics.Color)	4287879813 (0xFF93DA85)
YUV	187.0810, -26.6619, -35.1510
Hunter-Lab	76.1835, -36.4659, 29.0359

Details

The XYZ color **41.3377, 58.0393, 31.2143** is a light color, and the websafe version is hex **99CC66**. A complement of this color would be **45.9468, 34.6761, 70.6042**, and the grayscale version is **47.4329, 49.9031, 54.3445**.

A 20% lighter version of the original color is **69.3582, 87.8044, 60.3061**, and **19.1344, 29.1307, 12.5970** is the 20% darker color. If you saturate the color by 10%, you get **36.9744, 55.9480, 23.9476**, and if you desaturate by 10%, it is **46.5334, 60.5271, 40.1540**.

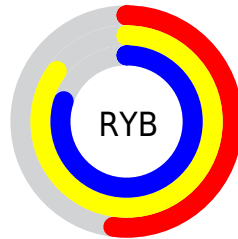
Distribution



Red (58%)

Green (85%)

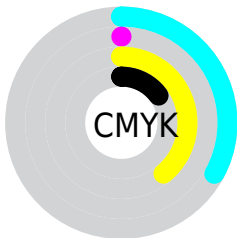
Blue (52%)



Red (52%)

Yellow (85%)

Blue (80%)

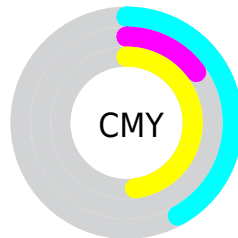


Cyan (33%)

Magenta (0%)

Yellow (39%)

Black (15%)



Cyan (42%)

Magenta (15%)


Yellow (48%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 41.3377, 58.0393, 31.2143 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 41.3377, 58.0393, 31.2143 by changing the saturation by 10% instead.


 41.3377, 58.0393,
31.2143


 41.3377, 58.0393,
31.2143


342.7686,
417.3324, 321.9061


 28.7719, 41.8402,
20.5023


 76.4677, 101.9801,
62.6608

 19.0517, 28.9762,
12.5730


 99.7627, 130.4906,
84.2324

 11.8119, 19.0628,
7.0079


 127.3647,
163.8737, 110.2609

 6.6870, 11.7157,
3.3885

159.6392,
202.5139, 141.1649

 3.3117, 6.5504,
1.2963

196.9514,
246.7954, 177.3628

 1.3207, 3.1825,
0.0587

239.6669,

 0.1986, 1.2278,

297.1027, 219.2733

0.0000

288.1508,
353.8203, 267.3149

0.0000, 0.0842,
0.0000

0.0000, 0.0000,
0.0000

41.3377, 58.0393,
31.2143

41.3377, 58.0393,
31.2143

36.9744, 55.9480,
23.9476

46.5334, 60.5271,
40.1540

33.3955, 54.2255,
18.2463


52.5977, 63.4227,
50.8576

30.5545, 52.8520,
13.9963


59.5698, 66.7462,
63.4143


28.3982, 51.8030,
11.0665


67.4853, 70.5143,
77.9058

 26.8655, 51.0504,
9.3019

 76.3777, 74.7424,
94.4093

 25.8744, 50.5571,
8.4579

 84.3626, 78.6251,
105.3375

 25.7967, 50.5184,
8.3914

Harmonies

Analogous

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



49.1866, 58.0393, 22.0423



41.3377, 58.0393, 31.2143



37.4242, 58.0393, 51.3539

Triad

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



41.3377, 58.0393, 31.2143



50.8583, 58.0393, 139.8993



77.1770, 58.0393, 47.0310

Complementary

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



41.3377, 58.0393, 31.2143



45.9468, 34.6761, 70.6042

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.



77.7767, 58.0393, 76.7291



41.3377, 58.0393, 31.2143



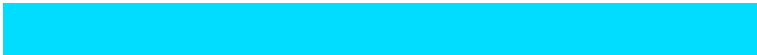
61.6084, 58.0393, 137.5862

Square

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



41.3377, 58.0393, 31.2143



42.4248, 58.0393, 117.3835



71.7749, 58.0393, 111.8207



70.2292, 58.0393, 28.9345

Rectangle

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



41.3377, 58.0393, 31.2143



37.1915, 58.0393, 71.2789



71.7749, 58.0393, 111.8207



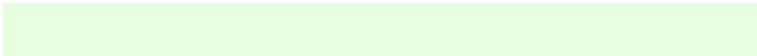
78.1571, 58.0393, 55.7465

Sweetspot

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



41.3392, 58.0418, 31.2156



81.7223, 93.6539, 84.5756



54.7028, 59.7081, 30.8329



17.2069, 19.9100, 17.5882



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.



41.3392, 58.0418, 31.2156



53.6397, 80.2309, 35.6361



41.2086, 57.7170, 42.8426



13.0853, 14.7087, 13.8750



15.5146, 30.2956, 5.0299



1.0677, 1.9950, 0.3288

Inverse Universe

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



45.9468, 34.6761, 70.6042



61.0826, 42.2967, 99.5524



46.5609, 35.3852, 52.9026



13.3929, 13.1607, 16.4865



19.2311, 9.0382, 40.4694



1.3031, 0.6150, 2.6245

Previews

White Background



This preview shows how the XYZ color 41.3377, 58.0393, 31.2143 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 41.3377, 58.0393, 31.2143 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 41.3377, 58.0393, 31.2143

Background



This preview shows how black text looks on a background with the XYZ color 41.3377, 58.0393, 31.2143.

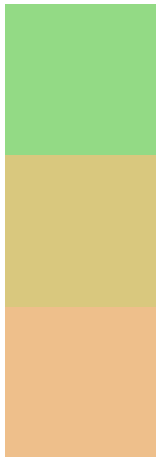


This preview shows how white text looks on a background with the XYZ color 41.3377, 58.0393,

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

41.3377, 58.0393, 31.2143

Protanopia

53.0354, 57.5666, 28.0549

Deuteranopia

58.5509, 57.3028, 32.4007



Tritanopia

50.8716, 57.7940, 78.9951

Trichromacy



Original Color

41.3377, 58.0393, 31.2143

Protanomaly

48.0135, 57.4171, 29.3209

Deuteranomaly

50.5788, 56.5586, 31.9180

Tritanomaly

46.6029, 57.5182, 57.9361

Monochromacy



Original Color

41.3377, 58.0393, 31.2143

Achromatopsia

47.2335, 49.6933, 54.1160

Achromatomaly

44.1824, 51.9488, 44.2577

CSS Examples

Text

The CSS property to change the color of the text to XYZ 41.3377, 58.0393, 31.2143 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(147, 218, 133)` looks like.

```
.text, #text, p{  
    color:rgb(147, 218, 133)  
}
```

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(147, 218, 133) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(147, 218, 133) }
```

Border

The CSS property to change the border of an element to XYZ 41.3377, 58.0393, 31.2143 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(147, 218, 133) }
```


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

```
.border{ border-color:rgb(147, 218, 133) }
```

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

Here you see how a box with a 4 pixel rgb(147, 218, 133) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(147, 218, 133); -webkit-box-  
shadow:4px 4px 4px 4px rgb(147, 218, 133);  
box-shadow:4px 4px 4px 4px rgb(147, 218,  
133) }
```

Background

The CSS property to change the background color of an element to XYZ 41.3377, 58.0393, 31.2143 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(147, 218, 133) }
```

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

```
.background{ background-color: rgb(147,  
218, 133) }
```

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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