

Converting Colors

XYZ(40.7595, 58.6205, 9.1666)

Have a look what the booklet for
XYZ(40.7595, 58.6205, 9.1666)
contains.

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Color

**XYZ(40.8486, 58.6624,
9.1700)**

Conversions

Conversions Part 1

Format	Color
Hex	A5DB00
RGB	165, 219, 0
RGB Percent	65%, 86%, 0%
CMY	0.3529, 0.1412, 0.9999
CMYK	0.25, 0.00, 1.00, 0.14
HSL	75°, 100%, 43%
HSV	75°, 100%, 86%
XYZ	40.8486, 58.6624, 9.1700
YIQ	177.8880, 38.1150, -79.5570

Conversions

Conversions Part 2

Format	Color
RYB	0, 219, 54
Decimal	10869504
CIELab	81.11, -41.23, 79.76
CIElCh	81, 89.785, 117.338
Yxy	58.6624, 0.3759, 0.5398
Android (android.graphics.Color)	4289059584 (0xFFA5DB00)
YUV	177.8880, -87.6988, -11.3028
Hunter-Lab	76.5914, -38.8352, 46.5154

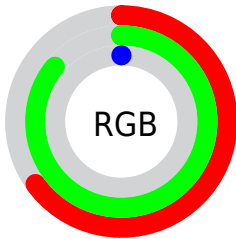
Details

The XYZ color **40.8486, 58.6624, 9.1700** is a dark color, and the websafe version is hex **99CC00**.

The color can be described as dark washed chartreuse. A complement of this color would be **14.3102, 5.9005, 67.4060**, and the grayscale version is **42.6960, 44.9195, 48.9173**.

A 20% lighter version of the original color is **68.2208, 88.0554, 22.4176**, and **19.3389, 29.6767, 4.7089** is the 20% darker color. If you saturate the color by 10%, you get **40.8484, 58.6642, 9.1704**, and if you desaturate by 10%, it is **42.1413, 59.3141, 9.9831**.

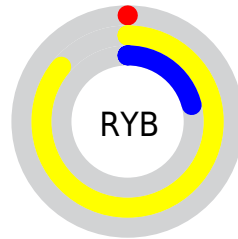
Distribution



Red (65%)

Green (86%)

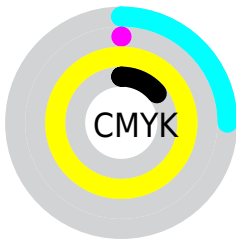
Blue (0%)



Red (0%)

Yellow (86%)

Blue (21%)

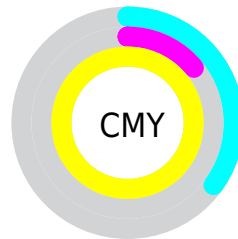


Cyan (25%)

Magenta (0%)

Yellow (100%)

Black (14%)



Cyan (35%)


Magenta (14%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 40.8486, 58.6624, 9.1700 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 40.8486, 58.6624, 9.1700 by changing the saturation by 10% instead.


 40.8486, 58.6624,
9.1700


 40.8486, 58.6624,
9.1700


340.7608,
419.6497, 194.9056


 28.3880, 42.3414,
4.7539


 75.7302, 102.8868,
24.8051

 18.7603, 29.3687,
2.0474

 98.8818, 131.5591,
36.8612

 11.6001, 19.3599,
0.5842


 126.3278,
165.1172, 52.3011

 6.5423, 11.9306,
0.0000

 158.4335,
203.9456, 71.5432

 3.2213, 6.6965,
0.0000

 195.5644,
248.4286, 95.0062

 1.2718, 3.2730,
0.0000

 238.0856,

 0.1620, 1.2759,

298.9507, 123.1086

0.0000

286.3627,
355.8963, 156.2689

■ 0.0000, 0.1224,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 40.8486, 58.6624,
9.1700

■ 40.8486, 58.6624,
9.1700

■ 40.8484, 58.6642,
9.1704

■ 42.1413, 59.3141,
9.9831

■ 43.6440, 60.0533,
11.6571

■ 45.4120, 60.9042,
14.4746

■ 47.4758, 61.8791,
18.5938

■ 49.8614, 62.9885,
24.1480

■ 52.5915, 64.2414,
31.2539

■ 55.6864, 65.6461,
40.0164

■ 59.1648, 67.2102,
50.5312

■ 63.0440, 68.9406,
62.8866

Harmonies

Analogous

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



57.4398, 58.6624, 6.3933



40.8486, 58.6624, 9.1700



30.6762, 58.6624, 22.9174

Triad

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



40.8486, 58.6624, 9.1700



38.5478, 58.6624, 195.3212



99.8283, 58.6624, 68.7653

Complementary

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



40.8486, 58.6624, 9.1700



14.3102, 5.9005, 67.4060

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.



91.7479, 58.6624, 136.9302



40.8486, 58.6624, 9.1700



54.1071, 58.6624, 231.3327

Square

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



40.8486, 58.6624, 9.1700



29.5710, 58.6624, 123.6427



73.9117, 58.6624, 205.5484



94.0899, 58.6624, 27.3494

Rectangle

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



40.8486, 58.6624, 9.1700



27.5641, 58.6624, 43.8927



73.9117, 58.6624, 205.5484



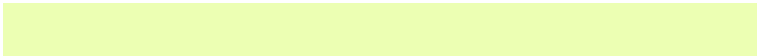
98.6038, 58.6624, 89.1495

Sweetspot

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



40.8499, 58.6650, 9.1712



78.4825, 92.6101, 56.1223



30.4043, 17.4393, 1.7644



16.3883, 19.6367, 10.8296



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.



40.8499, 58.6650, 9.1712



57.5262, 82.7409, 12.9386



27.1025, 51.5780, 8.5279



13.8322, 15.0938, 13.9099



24.3240, 34.8370, 5.4422



1.6521, 2.2962, 0.3561

Inverse Universe

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



14.3102, 5.9005, 67.4060



20.0929, 8.2731, 95.1456



27.4068, 12.6520, 68.0189



12.6380, 12.7715, 16.4512



8.5680, 3.5412, 39.9703



0.6335, 0.2698, 2.5931

Previews

White Background



This preview shows how the XYZ color 40.8486, 58.6624, 9.1700 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 40.8486, 58.6624, 9.1700 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

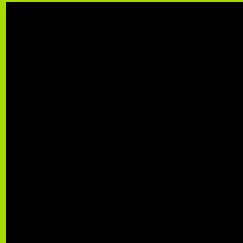
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 40.8486, 58.6624, 9.1700

Background



This preview shows how black text looks on a background with the XYZ color 40.8486, 58.6624, 9.1700.



This preview shows how white text looks on a background with the XYZ color 40.8486, 58.6624,

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

40.8486, 58.6624, 9.1700

Protanopia

52.2507, 57.9420, 8.4300

Deuteranopia

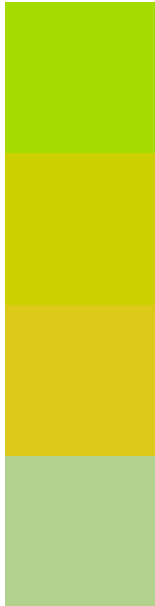
59.3045, 57.8628, 10.0504



Tritanopia

54.5187, 58.6673, 76.1606

Trichromacy



Original Color

40.8486, 58.6624, 9.1700

Protanomaly

47.4577, 57.9491, 8.6840

Deuteranomaly

50.8809, 57.2156, 9.2817

Tritanomaly

45.8942, 56.9594, 33.3863

Monochromacy



Original Color

40.8486, 58.6624, 9.1700

Achromatopsia

42.3164, 44.5201, 48.4824

Achromatomaly

39.2842, 48.2164, 22.8590

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.8486, 58.6624, 9.1700 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(165, 219, 0)` looks like.

```
.text, #text, p{  
    color:rgb(165, 219, 0)  
}
```

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(165, 219, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(165, 219, 0) }
```

Border

The CSS property to change the border of an element to XYZ 40.8486, 58.6624, 9.1700 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(165, 219, 0) }
```


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

```
.border{ border-color:rgb(165, 219, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(165, 219, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(165, 219, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(165, 219, 0);  
box-shadow:4px 4px 4px 4px rgb(165, 219,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 40.8486, 58.6624, 9.1700 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(165, 219, 0) }
```

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

```
.background{ background-color: rgb(165,  
219, 0) }
```

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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