

Converting Colors

XYZ(41.5631, 61.7479, 12.2340)

Have a look what the booklet for
XYZ(41.5631, 61.7479, 12.2340)
contains.

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Color

**XYZ(41.5746, 61.7503,
12.2104)**

Conversions

Conversions Part 1

Format	Color
Hex	9DE22D
RGB	157, 226, 45
RGB Percent	62%, 89%, 18%
CMY	0.3843, 0.1137, 0.8235
CMYK	0.31, 0.00, 0.80, 0.11
HSL	83°, 76%, 53%
HSV	83°, 80%, 89%
XYZ	41.5746, 61.7503, 12.2104
YIQ	184.7350, 16.9770, -70.9190

Conversions

Conversions Part 2

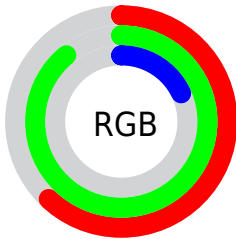
Format	Color
RYB	45, 226, 114
Decimal	10347053
CIELab	82.78, -46.23, 73.86
CIELCh	83, 87.139, 122.041
Yxy	61.7503, 0.3598, 0.5345
Android (android.graphics.Color)	4288537133 (0xFF9DE22D)
YUV	184.7350, -68.8894, -24.3236
Hunter-Lab	78.5814, -43.0794, 45.7941

Details

The XYZ color **41.5746, 61.7503, 12.2104** is a dark color, and the websafe version is hex **99CC00**. The color can be described as middle washed chartreuse. A complement of this color would be **21.6082, 10.9471, 72.9293**, and the grayscale version is **46.3327, 48.7456, 53.0840**.

A 20% lighter version of the original color is **66.7327, 87.1805, 27.2202**, and **19.5203, 31.4021, 5.0324** is the 20% darker color. If you saturate the color by 10%, you get **39.6286, 60.7866, 10.4242**, and if you desaturate by 10%, it is **43.8747, 62.8736, 15.2299**.

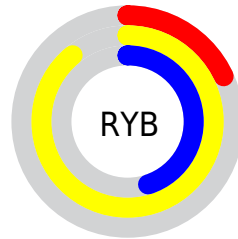
Distribution



Red (62%)

Green (89%)

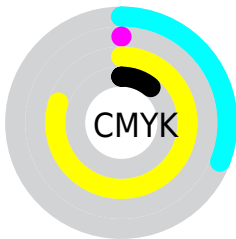
Blue (18%)



Red (18%)

Yellow (89%)

Blue (45%)

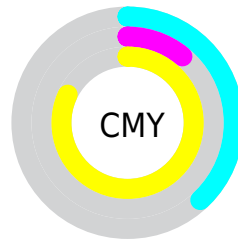


Cyan (31%)

Magenta (0%)

Yellow (80%)

Black (11%)



Cyan (38%)

Magenta (11%)

Yellow (82%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 41.5746, 61.7503, 12.2104 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 41.5746, 61.7503, 12.2104 by changing the saturation by 10% instead.

■ 41.5746, 61.7503,
12.2104

■ 41.5746, 61.7503,
12.2104

343.7382,
431.0197, 216.8204

■ 28.9580, 44.8310,
6.7629

■ 76.8246, 107.3646,
30.5478

■ 19.1932, 31.3243,
3.2381

■ 100.1887,
136.8283, 44.2748

■ 11.9148, 20.8459,
1.2174

■ 127.8660,
171.2423, 61.5987

■ 6.7575, 13.0114,
0.0000

■ 160.2219,
210.9909, 82.9380

■ 3.3559, 7.4364,
0.0000

■ 197.6217,
256.4585, 108.7113

■ 1.3446, 3.7365,
0.0000

240.4308,

■ 0.2162, 1.5273,

308.0296, 139.3371

0.0000

289.0145,
366.0885, 175.2339

■ 0.0000, 0.3078,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 41.5746, 61.7503,
12.2104

■ 41.5746, 61.7503,
12.2104

■ 39.6286, 60.7866,
10.4242

■ 43.8747, 62.8736,
15.2299

■ 37.9859, 59.9570,
9.5708

■ 46.5595, 64.1626,
19.6504

■ 49.6602, 65.6322,
25.6177

■ 53.2030, 67.2931,
33.2583

■ 57.2116, 69.1551,
42.6857

■ 61.7077, 71.2271,
54.0033

■ 66.7116, 73.5175,
67.3068

■ 72.2421, 76.0339,
82.6852

■ 78.3172, 78.7838,
100.2224

Harmonies

Analogous

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



57.4175, 61.7503, 7.8464



41.5746, 61.7503, 12.2104



32.2695, 61.7503, 29.5292

Triad

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



41.5746, 61.7503, 12.2104



43.3665, 61.7503, 205.7954



102.5719, 61.7503, 63.6260

Complementary

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



41.5746, 61.7503, 12.2104



21.6082, 10.9471, 72.9293

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.



96.6219, 61.7503, 128.1547



41.5746, 61.7503, 12.2104



59.9848, 61.7503, 232.0967

Square

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



41.5746, 61.7503, 12.2104



33.1387, 61.7503, 138.1946



79.9606, 61.7503, 198.1425



94.8432, 61.7503, 26.0009

Rectangle

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



41.5746, 61.7503, 12.2104



29.7484, 61.7503, 53.9348



79.9606, 61.7503, 198.1425



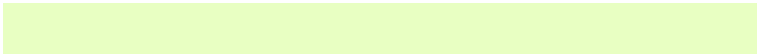
102.1022, 61.7503, 82.5609

Sweetspot

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



41.5760, 61.7530, 12.2117



78.6459, 92.5062, 64.6317



37.5648, 27.8098, 5.8714



16.3840, 19.5929, 12.7087



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.



41.5760, 61.7530, 12.2117



50.6490, 79.1891, 12.9084



30.1358, 55.8554, 11.6763



14.3391, 15.7550, 14.5920



21.8060, 34.2739, 5.4662



1.6102, 2.4266, 0.3835

Inverse Universe

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



21.6082, 10.9471, 72.9293



23.8154, 10.3565, 95.3515



38.9894, 19.9074, 73.7427



13.4435, 13.4967, 17.2843



10.1519, 4.3288, 41.3488



0.8012, 0.3503, 2.8706

Previews

White Background



This preview shows how the XYZ color 41.5746, 61.7503, 12.2104 looks on a white background.

Color Contrast Check

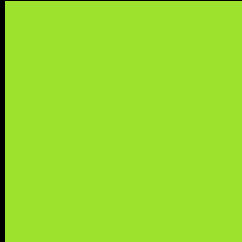
Large Text (above 18pt) WCAG AA × Fail

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 41.5746, 61.7503, 12.2104 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

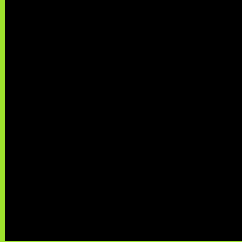
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 41.5746, 61.7503, 12.2104

Background



This preview shows how black text looks on a background with the XYZ color 41.5746, 61.7503, 12.2104.



This preview shows how white text looks on a background with the XYZ color 41.5746, 61.7503,

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

41.5746, 61.7503, 12.2104

Protanopia

55.4093, 61.2847, 10.9162

Deuteranopia

62.0596, 60.8120, 15.3045



Tritanopia

55.2718, 61.1042, 81.5542

Trichromacy



Original Color

41.5746, 61.7503, 12.2104

Protanomaly

49.1140, 60.5930, 11.2975

Deuteranomaly

52.2389, 59.5843, 13.7487

Tritanomaly

47.5665, 60.2310, 42.8369

Monochromacy



Original Color

41.5746, 61.7503, 12.2104

Achromatopsia

46.1135, 48.5150, 52.8328

Achromatomaly

42.6365, 52.1437, 30.3718

CSS Examples

Text

The CSS property to change the color of the text to XYZ 41.5746, 61.7503, 12.2104 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(157, 226, 45)` looks like.

```
.text, #text, p{  
    color:rgb(157, 226, 45)  
}
```

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(157, 226, 45) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(157, 226, 45) }
```

Border

The CSS property to change the border of an element to XYZ 41.5746, 61.7503, 12.2104 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(157, 226, 45) }
```


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

```
.border{ border-color:rgb(157, 226, 45) }
```

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

Here you see how a box with a 4 pixel rgb(157, 226, 45) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(157, 226, 45); -webkit-box-  
shadow:4px 4px 4px 4px rgb(157, 226, 45);  
box-shadow:4px 4px 4px 4px rgb(157, 226,  
45) }
```

Background

The CSS property to change the background color of an element to XYZ 41.5746, 61.7503, 12.2104 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(157, 226, 45) }
```

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

```
.background{ background-color: rgb(157,  
226, 45) }
```

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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