

Converting Colors

XYZ(42.0509, 63.6791, 10.3047)

Have a look what the booklet for
XYZ(42.0509, 63.6791, 10.3047)
contains.

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Color

**XYZ(42.0509, 63.6791,
10.3047)**

Conversions

Conversions Part 1

Format	Color
Hex	9CE608
RGB	156, 230, 8
RGB Percent	61%, 90%, 3%
CMY	0.3882, 0.0980, 0.9685
CMYK	0.32, 0.00, 0.97, 0.10
HSL	80°, 93%, 47%
HSV	80°, 97%, 90%
XYZ	42.0509, 63.6791, 10.3047
YIQ	182.5660, 27.1580, -84.7300

Conversions

Conversions Part 2

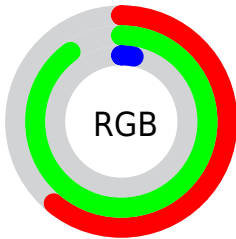
Format	Color
R_{YB}	8, 230, 82
Decimal	10282504
CIE Lab	83.80, -49.17, 80.92
CIE LCh	84, 94.693, 121.285
Yxy	63.6791, 0.3624, 0.5488
Android (android.graphics.Color)	4288472584 (0xFF9CE608)
YUV	182.5660, -86.0610, -23.2984
Hunter-Lab	79.7992, -45.5864, 48.2031

Details

The XYZ color **42.0509, 63.6791, 10.3047** is a dark color, and the websafe version is hex **99FF33**. The color can be described as dark washed chartreuse. A complement of this color would be **17.8537, 7.6833, 75.4087**, and the grayscale version is **45.2212, 47.5762, 51.8105**.

A 20% lighter version of the original color is **65.9672, 86.8743, 23.1891**, and **20.0658, 32.8135, 5.2761** is the 20% darker color. If you saturate the color by 10%, you get **41.4959, 63.4001, 10.0504**, and if you desaturate by 10%, it is **43.7873, 64.5528, 11.4506**.

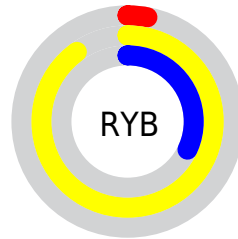
Distribution



Red (61%)

Green (90%)

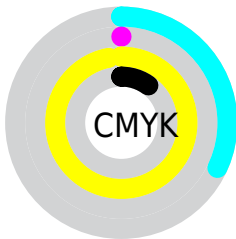
Blue (3%)



Red (3%)

Yellow (90%)

Blue (32%)

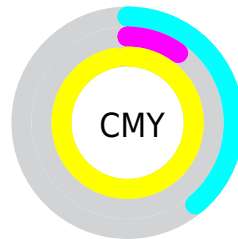


Cyan (32%)

Magenta (0%)

Yellow (97%)

Black (10%)



Cyan (39%)


Magenta (10%)


Yellow (97%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 42.0509, 63.6791, 10.3047 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 42.0509, 63.6791, 10.3047 by changing the saturation by 10% instead.


 42.0509, 63.6791,
10.3047


 42.0509, 63.6791,
10.3047


345.6819,
438.0299, 203.3963


 29.3324, 46.3908,
5.4932


 77.5413, 110.1487,
26.9838


 19.4780, 32.5543,
2.4757


 101.0440,
140.0987, 39.6884


 12.1222, 21.7853,
0.8272


 128.8721,
175.0382, 55.8613

 6.8998, 13.6992,
0.0000

 161.3911,
215.3514, 75.9208

 3.4453, 7.9117,
0.0000

 198.9662,
261.4228, 100.2855

 1.3934, 4.0385,
0.0000

 241.9628,

 0.2515, 1.6951,

313.6367, 129.3739

0.0000

290.7462,
372.3776, 163.6047

■ 0.0000, 0.4205,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 42.0509, 63.6791,
10.3047

■ 42.0509, 63.6791,
10.3047

■ 41.4959, 63.4001,
10.0504

■ 43.7873, 64.5528,
11.4506

■ 45.8327, 65.5588,
13.7325

■ 48.2303, 66.7170,
17.3629

■ 51.0136, 68.0408,
22.5095

■ 54.2112, 69.5419,
29.3156

■ 57.8488, 71.2307,
37.9080

■ 61.9496, 73.1167,
48.4011

■ 66.5348, 75.2086,
60.8996

■ 71.6244, 77.5145,
75.5008

Harmonies

Analogous

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



59.6330, 63.6791, 6.3103



42.0509, 63.6791, 10.3047



31.8024, 63.6791, 27.5979

Triad

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



42.0509, 63.6791, 10.3047



43.2808, 63.6791, 225.9808



109.9246, 63.6791, 66.7997

Complementary

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



42.0509, 63.6791, 10.3047



17.8537, 7.6833, 75.4087

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.



102.7831, 63.6791, 140.1569



42.0509, 63.6791, 10.3047



61.4260, 63.6791, 258.2914

Square

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



42.0509, 63.6791, 10.3047



32.3898, 63.6791, 147.3876



83.7448, 63.6791, 220.3835



101.5122, 63.6791, 25.2607

Rectangle

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



42.0509, 63.6791, 10.3047



28.9895, 63.6791, 53.3975



83.7448, 63.6791, 220.3835



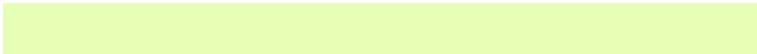
109.2541, 63.6791, 88.1663

Sweetspot

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



42.0524, 63.6819, 10.3061



76.8496, 91.7384, 57.3998



35.6978, 22.8794, 2.7653



15.9721, 19.4165, 11.0643



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.



42.0524, 63.6819, 10.3061



52.3339, 80.0642, 12.6956



29.4256, 57.1726, 9.7151



15.1103, 16.5639, 15.3052



23.6262, 35.9612, 5.6960



1.8434, 2.7077, 0.4255

Inverse Universe

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



17.8537, 7.6833, 75.4087



21.7978, 9.1521, 95.2254



36.3656, 17.2265, 76.2751



14.0333, 14.1194, 18.1300



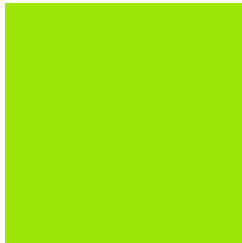
9.9203, 4.1800, 42.6671



0.8288, 0.3582, 3.1574

Previews

White Background



This preview shows how the XYZ color 42.0509, 63.6791, 10.3047 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 42.0509, 63.6791, 10.3047 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

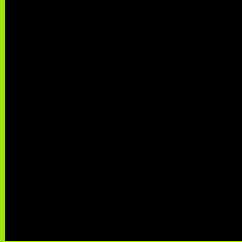
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 42.0509, 63.6791, 10.3047

Background



This preview shows how black text looks on a background with the XYZ color 42.0509, 63.6791, 10.3047.



This preview shows how white text looks on a background with the XYZ color 42.0509, 63.6791,

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

42.0509, 63.6791, 10.3047

Protanopia

56.8168, 62.7739, 9.1220

Deuteranopia

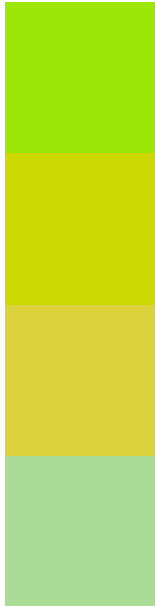
63.6392, 62.8972, 19.1421



Tritanopia

57.0608, 63.4464, 84.8403

Trichromacy



Original Color

42.0509, 63.6791, 10.3047

Protanomaly

50.0259, 62.2401, 9.4630

Deuteranomaly

53.1295, 61.5011, 13.6281

Tritanomaly

47.8928, 62.0463, 38.3061

Monochromacy



Original Color

42.0509, 63.6791, 10.3047

Achromatopsia

45.0092, 47.3531, 51.5676

Achromatomaly

41.2176, 51.5247, 25.2256

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.0509, 63.6791, 10.3047 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(156, 230, 8)` looks like.

```
.text, #text, p{  
    color:rgb(156, 230, 8)  
}
```

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(156, 230, 8) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(156, 230, 8) }
```

Border

The CSS property to change the border of an element to XYZ 42.0509, 63.6791, 10.3047 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(156, 230, 8) }
```


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

```
.border{ border-color:rgb(156, 230, 8) }
```

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

Here you see how a box with a 4 pixel rgb(156, 230, 8) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(156, 230, 8); -webkit-box-  
shadow:4px 4px 4px 4px rgb(156, 230, 8);  
box-shadow:4px 4px 4px 4px rgb(156, 230,  
8) }
```

Background

The CSS property to change the background color of an element to XYZ 42.0509, 63.6791, 10.3047 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(156, 230, 8) }
```

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

```
.background{ background-color: rgb(156,  
230, 8) }
```

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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