

Converting Colors

XYZ(42.7211, 59.5036, 11.5265)

Have a look what the booklet for
XYZ(42.7211, 59.5036, 11.5265)
contains.

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Color

**XYZ(42.7808, 59.6081,
11.5362)**

Conversions

Conversions Part 1

Format	Color
Hex	ACDB2B
RGB	172, 219, 43
RGB Percent	67%, 86%, 17%
CMY	0.3255, 0.1412, 0.8313
CMYK	0.21, 0.00, 0.80, 0.14
HSL	76°, 71%, 51%
HSV	76°, 80%, 86%
XYZ	42.7808, 59.6081, 11.5362
YIQ	184.8830, 28.4840, -64.7000

Conversions

Conversions Part 2

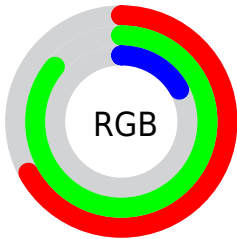
Format	Color
R _Y B	43, 219, 90
Decimal	11328299
CIE Lab	81.62, -37.61, 73.68
CIE LCh	82, 82.726, 117.043
Yxy	59.6081, 0.3755, 0.5232
Android (android.graphics.Color)	4289518379 (0xFFACDB2B)
YUV	184.8830, -69.9483, -11.2984
Hunter-Lab	77.2063, -36.2023, 45.1853

Details

The XYZ color **42.7808, 59.6081, 11.5362** 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 **17.8688, 9.0175, 67.8201**, and the grayscale version is **46.4164, 48.8337, 53.1799**.

A 20% lighter version of the original color is **71.2648, 89.5288, 26.8893**, and **20.3457, 30.1958, 4.7560** is the 20% darker color. If you saturate the color by 10%, you get **41.2266, 58.8435, 9.8998**, and if you desaturate by 10%, it is **44.6097, 60.4934, 14.3124**.

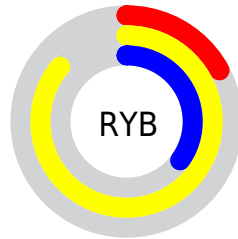
Distribution



Red (67%)

Green (86%)

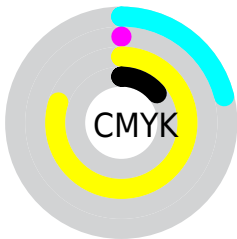
Blue (17%)



Red (17%)

Yellow (86%)

Blue (35%)

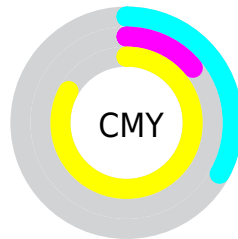


Cyan (21%)

Magenta (0%)

Yellow (80%)

Black (14%)



Cyan (33%)

Magenta (14%)

Yellow (83%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 42.7808, 59.6081, 11.5362 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 42.7808, 59.6081, 11.5362 by changing the saturation by 10% instead.

■ 42.7808, 59.6081,
11.5362

■ 42.7808, 59.6081,
11.5362

348.6463,
423.1517, 212.1779

■ 29.9069, 43.1028,
6.3100

■ 78.6378, 104.2610,
29.2992

■ 19.9157, 29.9658,
2.9627

■ 102.3516,
133.1773, 42.6731

■ 12.4417, 19.8126,
1.0756

■ 130.4094,
166.9995, 59.5999

■ 7.1196, 12.2589,
0.0000

■ 163.1766,
206.1120, 80.4983

■ 3.5840, 6.9203,
0.0000

■ 201.0185,
250.8990, 105.7868

■ 1.4696, 3.4123,
0.0000

■ 244.3006,

■ 0.3050, 1.3506,

301.7450, 135.8838

0.0000

293.3881,
359.0345, 171.2080

■ 0.0000, 0.1799,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 42.7808, 59.6081,
11.5362

■ 42.7808, 59.6081,
11.5362

■ 41.2266, 58.8435,
9.8998

■ 44.6097, 60.4934,
14.3124

■ 39.9328, 58.1922,
9.1275

■ 46.7402, 61.5038,
18.3840

■ 49.1998, 62.6525,
23.8863

■ 52.0115, 63.9488,
30.9366

■ 55.1958, 65.4011,
39.6401

■ 58.7717, 67.0168,
50.0929

■ 62.7566, 68.8032,
62.3836

■ 67.1668, 70.7668,
76.5947

■ 72.0178, 72.9139,
92.8040

Harmonies

Analogous

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



58.3967, 59.6081, 8.5675



42.7808, 59.6081, 11.5362



32.9889, 59.6081, 25.5224

Triad

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



42.7808, 59.6081, 11.5362



40.3529, 59.6081, 182.8668



97.0060, 59.6081, 69.9652

Complementary

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



42.7808, 59.6081, 11.5362



17.8688, 9.0175, 67.8201

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.



89.5726, 59.6081, 132.1217



42.7808, 59.6081, 11.5362



54.9497, 59.6081, 215.0550

Square

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



42.7808, 59.6081, 11.5362



31.8017, 59.6081, 118.8600



73.2466, 59.6081, 192.8910



91.9319, 59.6081, 30.3917

Rectangle

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



42.7808, 59.6081, 11.5362



29.9324, 59.6081, 45.7243



73.2466, 59.6081, 192.8910



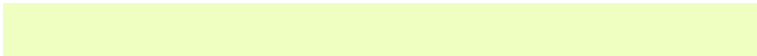
95.8567, 59.6081, 88.8107

Sweetspot

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



42.7822, 59.6108, 11.5375



80.9552, 93.6967, 64.7397



33.3023, 22.5377, 4.8813



16.9423, 19.8807, 12.7348



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.



42.7822, 59.6108, 11.5375



56.9558, 82.4404, 13.2036



29.4318, 52.7284, 10.9127



13.8053, 15.0799, 13.9087



23.7859, 34.5596, 5.4170



1.6210, 2.2802, 0.3547

Inverse Universe

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



17.8688, 9.0175, 67.8201



21.1081, 8.9609, 95.2248



31.9972, 16.3009, 68.4813



12.6633, 12.7845, 16.4524



8.7224, 3.6208, 39.9776



0.6464, 0.2765, 2.5937

Previews

White Background



This preview shows how the XYZ color 42.7808, 59.6081, 11.5362 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 42.7808, 59.6081, 11.5362 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

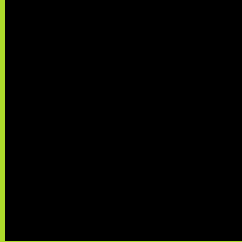
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 42.7808, 59.6081, 11.5362

Background



This preview shows how black text looks on a background with the XYZ color 42.7808, 59.6081, 11.5362.



This preview shows how white text looks on a background with the XYZ color 42.7808, 59.6081,

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

42.7808, 59.6081, 11.5362

Protanopia

53.7171, 59.3523, 10.5444

Deuteranopia

60.4612, 59.0655, 12.0850



Tritanopia

55.7463, 59.3002, 76.2181

Trichromacy



Original Color

42.7808, 59.6081, 11.5362

Protanomaly

49.1959, 59.1640, 10.8344

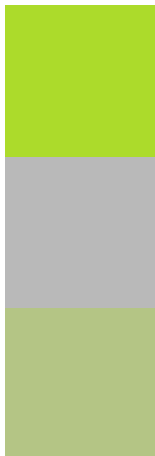
Deuteranomaly

52.4808, 58.3363, 11.7428

Tritanomaly

48.3297, 58.0685, 40.1136

Monochromacy



Original Color

42.7808, 59.6081, 11.5362

Achromatopsia

46.1135, 48.5150, 52.8328

Achromatomaly

43.0223, 51.3293, 29.8303

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.7808, 59.6081, 11.5362 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(172, 219, 43)` looks like.

```
.text, #text, p{  
    color:rgb(172, 219, 43)  
}
```

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(172, 219, 43) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(172, 219, 43) }
```

Border

The CSS property to change the border of an element to XYZ 42.7808, 59.6081, 11.5362 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(172, 219, 43) }
```


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

```
.border{ border-color:rgb(172, 219, 43) }
```

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

Here you see how a box with a 4 pixel `rgb(172, 219, 43)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(172, 219, 43); -webkit-box-  
shadow:4px 4px 4px 4px rgb(172, 219, 43);  
box-shadow:4px 4px 4px 4px rgb(172, 219,  
43) }
```

Background

The CSS property to change the background color of an element to XYZ 42.7808, 59.6081, 11.5362 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(172, 219, 43) }
```

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

```
.background{ background-color: rgb(172,  
219, 43) }
```

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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