

Converting Colors

XYZ(42.3530, 59.5307, 20.7800)

Have a look what the booklet for
XYZ(42.3530, 59.5307, 20.7800)
contains.

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Color

**XYZ(42.2950, 59.5418,
20.8188)**

Conversions

Conversions Part 1

Format	Color
Hex	A0DC62
RGB	160, 220, 98
RGB Percent	63%, 86%, 38%
CMY	0.3725, 0.1372, 0.6157
CMYK	0.27, 0.00, 0.55, 0.14
HSL	90°, 64%, 62%
HSV	90°, 55%, 86%
XYZ	42.2950, 59.5418, 20.8188
YIQ	188.1520, 3.4020, -50.6620

Conversions

Conversions Part 2

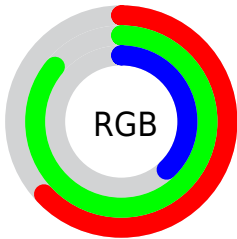
Format	Color
RYB	98, 220, 158
Decimal	10542178
CIELab	81.59, -38.91, 53.04
CIElCh	82, 65.780, 126.268
Yxy	59.5418, 0.3448, 0.4854
Android (android.graphics.Color)	4288732258 (0xFFA0DC62)
YUV	188.1520, -44.4449, -24.6893
Hunter-Lab	77.1633, -37.1959, 38.0178

Details

The XYZ color **42.2950, 59.5418, 20.8188** is a light color, and the websafe version is hex **99CC66**. A complement of this color would be **31.3891, 21.1735, 70.1460**, and the grayscale version is **48.1312, 50.6378, 55.1445**.

A 20% lighter version of the original color is **70.0428, 88.5387, 43.1038**, and **19.7355, 30.0954, 7.1517** is the 20% darker color. If you saturate the color by 10%, you get **39.3262, 58.1172, 15.9830**, and if you desaturate by 10%, it is **45.7404, 61.1829, 27.1692**.

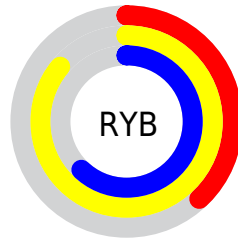
Distribution



Red (63%)

Green (86%)

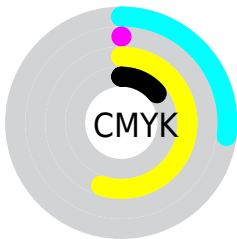
Blue (38%)



Red (38%)

Yellow (86%)

Blue (62%)

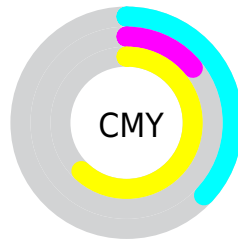


Cyan (27%)

Magenta (0%)

Yellow (55%)

Black (14%)



Cyan (37%)

Magenta (14%)

Yellow (62%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 42.2950, 59.5418, 20.8188 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 42.2950, 59.5418, 20.8188 by changing the saturation by 10% instead.

42.2950, 59.5418,
20.8188

42.2950, 59.5418,
20.8188

346.6752,
422.9068, 269.0633

29.5245, 43.0494,
12.8017

77.9083, 104.1647,
45.6626

19.6242, 29.9239,
7.1630

101.4817,
133.0640, 63.3264

12.2288, 19.7808,
3.4843

129.3868,
166.8678, 85.0428

6.9730, 12.2358,
1.3469

161.9890,
205.9603, 111.2304

3.4914, 6.9045,
0.0998

199.6536,
250.7261, 142.3077

1.4187, 3.4024,
0.0000

242.7459,

0.2695, 1.3453,

301.5495, 178.6933

0.0000

291.6313,
358.8150, 220.8056

■ 0.0000, 0.1759,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 42.2950, 59.5418,
20.8188

■ 42.2950, 59.5418,
20.8188

■ 39.3262, 58.1172,
15.9830

■ 45.7404, 61.1829,
27.1692

■ 36.8011, 56.8892,
12.5314


■ 49.6841, 63.0435,
35.1429


■ 34.6880, 55.8467,
10.3179


■ 54.1511, 65.1363,
44.8428


■ 32.9475, 54.9732,
9.1616


■ 59.1636, 67.4705,
56.3622


 32.2509, 54.6204,
8.8430

 64.7420, 70.0549,
69.7880

 70.9059, 72.8978,
85.2011

 77.6735, 76.0068,
102.6780

 81.8491, 78.1041,
105.3694

 84.8845, 79.6689,
105.5115

Harmonies

Analogous

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



53.7434, 59.5418, 14.8159



42.2950, 59.5418, 20.8188



35.6013, 59.5418, 38.7911

Triad

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



42.2950, 59.5418, 20.8188



46.5657, 59.5418, 162.3214



87.2989, 59.5418, 56.8791

Complementary

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



42.2950, 59.5418, 20.8188



31.3891, 21.1735, 70.1460

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.



84.5428, 59.5418, 100.5009



42.2950, 59.5418, 20.8188



59.5410, 59.5418, 173.5908

Square

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



42.2950, 59.5418, 20.8188



37.7720, 59.5418, 121.0156



73.7962, 59.5418, 147.4914



80.8114, 59.5418, 29.4513

Rectangle

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



42.2950, 59.5418, 20.8188



34.0183, 59.5418, 60.0060



73.7962, 59.5418, 147.4914



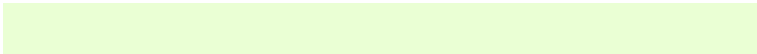
87.4357, 59.5418, 69.9077

Sweetspot

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



42.2964, 59.5444, 20.8201



81.4259, 93.6939, 75.8493



43.7734, 40.2023, 17.0088



17.1171, 19.9095, 15.5111



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.



42.2964, 59.5444, 20.8201



54.1541, 80.8170, 21.1634



33.0588, 54.7822, 20.3878



13.5141, 14.9298, 13.8950



19.0558, 32.1211, 5.1957



1.3339, 2.1322, 0.3413

Inverse Universe

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



31.3891, 21.1735, 70.1460



37.4189, 21.9286, 96.8682



46.1918, 28.8046, 70.8387



12.9455, 12.9300, 16.4656



11.3538, 4.9773, 40.1007



0.8349, 0.3737, 2.6026

Previews

White Background



This preview shows how the XYZ color 42.2950, 59.5418, 20.8188 looks on a white background.

Color Contrast Check

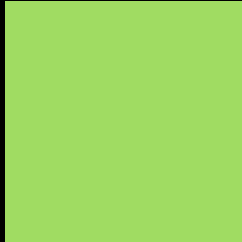
Large Text (above 18pt) WCAG AA × Fail

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 42.2950, 59.5418, 20.8188 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 42.2950, 59.5418, 20.8188

Background



This preview shows how black text looks on a background with the XYZ color 42.2950, 59.5418, 20.8188.



This preview shows how white text looks on a background with the XYZ color 42.2950, 59.5418,

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

42.2950, 59.5418, 20.8188

Protanopia

53.7928, 58.8611, 18.6514

Deuteranopia

60.1108, 58.6757, 21.5220



Tritanopia

53.9922, 59.4183, 78.4352

Trichromacy



Original Color

42.2950, 59.5418, 20.8188

Protanomaly

48.9082, 58.8266, 19.3666

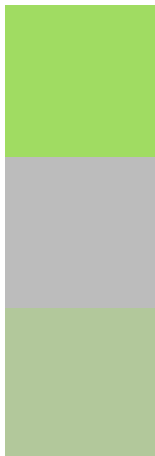
Deuteranomaly

51.8377, 57.7993, 20.9946

Tritanomaly

48.3740, 58.9592, 50.9502

Monochromacy



Original Color

42.2950, 59.5418, 20.8188

Achromatopsia

47.7994, 50.2886, 54.7643

Achromatomaly

44.9308, 53.1401, 38.8993

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.2950, 59.5418, 20.8188 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(160, 220, 98)` looks like.

```
.text, #text, p{  
    color:rgb(160, 220, 98)  
}
```

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(160, 220, 98) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(160, 220, 98) }
```

Border

The CSS property to change the border of an element to XYZ 42.2950, 59.5418, 20.8188 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(160, 220, 98) }
```


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

```
.border{ border-color:rgb(160, 220, 98) }
```

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

Here you see how a box with a 4 pixel `rgb(160, 220, 98)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(160, 220, 98); -webkit-box-  
shadow:4px 4px 4px 4px rgb(160, 220, 98);  
box-shadow:4px 4px 4px 4px rgb(160, 220,  
98) }
```

Background

The CSS property to change the background color of an element to XYZ 42.2950, 59.5418, 20.8188 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(160, 220, 98) }
```

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

```
.background{ background-color: rgb(160,  
220, 98) }
```

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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