

Converting Colors

XYZ(42.7064, 60.4561, 22.0020)

Have a look what the booklet for
XYZ(42.7064, 60.4561, 22.0020)
contains.

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Color

**XYZ(42.8176, 60.5728,
22.0054)**

Conversions

Conversions Part 1

Format	Color
Hex	9FDE66
RGB	159, 222, 102
RGB Percent	62%, 87%, 40%
CMY	0.3765, 0.1294, 0.6000
CMYK	0.28, 0.00, 0.54, 0.13
HSL	92°, 65%, 64%
HSV	92°, 54%, 87%
XYZ	42.8176, 60.5728, 22.0054
YIQ	189.4830, 0.9720, -50.6760

Conversions

Conversions Part 2

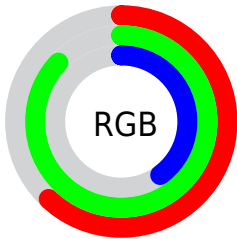
Format	Color
RYB	102, 222, 165
Decimal	10477158
CIELab	82.15, -39.76, 51.85
CIELCh	82, 65.342, 127.481
Yxy	60.5728, 0.3415, 0.4831
Android (android.graphics.Color)	4288667238 (0xFF9FDE66)
YUV	189.4830, -43.1291, -26.7336
Hunter-Lab	77.8285, -37.9976, 37.7162

Details

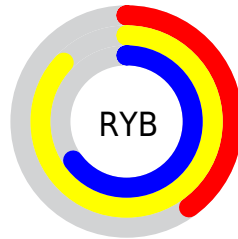
The XYZ color **42.8176, 60.5728, 22.0054** is a light color, and the websafe version is hex **99CC66**. A complement of this color would be **33.4560, 22.7779, 71.7439**, and the grayscale version is **48.8872, 51.4332, 56.0107**.

A 20% lighter version of the original color is **70.0797, 88.5192, 44.8448**, and **19.8995, 30.4372, 7.7319** is the 20% darker color. If you saturate the color by 10%, you get **39.6576, 59.0563, 16.8601**, and if you desaturate by 10%, it is **46.4933, 62.3249, 28.7159**.

Distribution



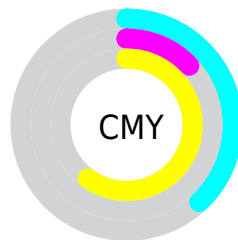
- Red (62%)
- Green (87%)
- Blue (40%)



- Red (40%)
- Yellow (87%)
- Blue (65%)



- Cyan (28%)
- Magenta (0%)
- Yellow (54%)
- Black (13%)



- Cyan (38%)
- Magenta (13%)
- Yellow (60%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 42.8176, 60.5728, 22.0054 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 42.8176, 60.5728, 22.0054 by changing the saturation by 10% instead.

■ 42.8176, 60.5728,
22.0054

■ 42.8176, 60.5728,
22.0054

348.7954,
426.7059, 275.5289

■ 29.9359, 43.8805,
13.6625

■ 78.6930, 105.6601,
47.6572

■ 19.9378, 30.5766,
7.7503

■ 102.4174,
134.8240, 65.8032

■ 12.4578, 20.2766,
3.8501

■ 130.4867,
168.9137, 88.0541

■ 7.1307, 12.5963,
1.5435

■ 163.2664,
208.3139, 114.8282

■ 3.5910, 7.1511,
0.2500

201.1218,
253.4088, 146.5442

■ 1.4735, 3.5568,
0.0000

244.4181,

■ 0.3077, 1.4289,

304.5828, 183.6206

0.0000

293.5209,
362.2204, 226.4760

■ 0.0000, 0.2379,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 42.8176, 60.5728,
22.0054

■ 42.8176, 60.5728,
22.0054

■ 39.6576, 59.0563,
16.8601

■ 46.4933, 62.3249,
28.7159

■ 36.9789, 57.7547,
13.1490


■ 50.7076, 64.3162,
37.1011


■ 34.7487, 56.6563,
10.7259


■ 55.4869, 66.5600,
47.2649


■ 32.9265, 55.7442,
9.4119


■ 60.8545, 69.0662,
59.3018

 32.0006, 55.2754,
8.9826

 66.8322, 71.8442,
73.2996

 73.4406, 74.9028,
89.3407

 80.3092, 78.0942,
105.4487

 84.4075, 80.2070,
105.6405

 85.4126, 80.7252,
105.6875

Harmonies

Analogous

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



54.1687, 60.5728, 15.5030



42.8176, 60.5728, 22.0054



36.2785, 60.5728, 40.8067

Triad

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



42.8176, 60.5728, 22.0054



47.9481, 60.5728, 164.6957



88.2798, 60.5728, 56.4980

Complementary

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



42.8176, 60.5728, 22.0054



33.4560, 22.7779, 71.7439

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.



85.8987, 60.5728, 99.7547



42.8176, 60.5728, 22.0054



61.1162, 60.5728, 174.4058

Square

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



42.8176, 60.5728, 22.0054



38.8917, 60.5728, 124.2221



75.3790, 60.5728, 147.0568



81.4430, 60.5728, 29.5315

Rectangle

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



42.8176, 60.5728, 22.0054



34.8223, 60.5728, 62.6523



75.3790, 60.5728, 147.0568



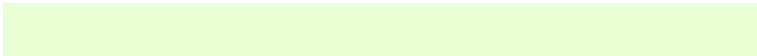
88.5477, 60.5728, 69.3686

Sweetspot

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



42.8191, 60.5754, 22.0067



81.7166, 93.8064, 77.5519



45.8004, 43.0422, 18.4653



17.1576, 19.9230, 15.8457



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.



42.8191, 60.5754, 22.0067



53.7169, 80.5676, 22.2263



34.1013, 56.0697, 22.1229



14.1449, 15.6549, 14.5830



19.1333, 32.8961, 5.3412



1.4291, 2.3332, 0.3750

Inverse Universe

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



33.4560, 22.7779, 71.7439



39.6099, 23.6686, 97.0886



47.7963, 30.2014, 71.0238



13.6354, 13.5956, 17.2932



12.2832, 5.4275, 41.4486



0.9546, 0.4294, 2.8778

Previews

White Background



This preview shows how the XYZ color 42.8176, 60.5728, 22.0054 looks on a white background.

Color Contrast Check

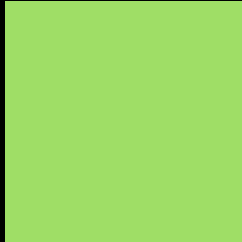
Large Text (above 18pt) WCAG AA × Fail

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 42.8176, 60.5728, 22.0054 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 42.8176, 60.5728, 22.0054

Background



This preview shows how black text looks on a background with the XYZ color 42.8176, 60.5728, 22.0054.

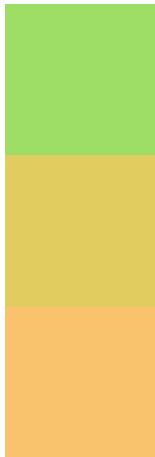


This preview shows how white text looks on a background with the XYZ color 42.8176, 60.5728,

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

42.8176, 60.5728, 22.0054

Protanopia

54.7555, 60.0378, 19.7689

Deuteranopia

61.1190, 59.8274, 22.7945



Tritanopia

54.5225, 60.3843, 80.0159

Trichromacy



Original Color

42.8176, 60.5728, 22.0054

Protanomaly

49.5863, 59.8879, 20.5013

Deuteranomaly

52.5133, 58.8253, 22.2223

Tritanomaly

48.8623, 59.9345, 52.1732

Monochromacy



Original Color

42.8176, 60.5728, 22.0054

Achromatopsia

48.3692, 50.8881, 55.4172

Achromatomaly

45.3325, 53.6726, 39.8689

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.8176, 60.5728, 22.0054 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(159, 222, 102)` looks like.

```
.text, #text, p{  
    color:rgb(159, 222, 102)  
}
```

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(159, 222, 102) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(159, 222, 102) }
```

Border

The CSS property to change the border of an element to XYZ 42.8176, 60.5728, 22.0054 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(159, 222, 102) }
```


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

```
.border{ border-color:rgb(159, 222, 102) }
```

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

Here you see how a box with a 4 pixel `rgb(159, 222, 102)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(159, 222, 102); -webkit-box-  
shadow:4px 4px 4px 4px rgb(159, 222, 102);  
box-shadow:4px 4px 4px 4px rgb(159, 222,  
102) }
```

Background

The CSS property to change the background color of an element to XYZ 42.8176, 60.5728, 22.0054 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(159, 222, 102) }
```

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

```
.background{ background-color: rgb(159,  
222, 102) }
```

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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