

Converting Colors

XYZ(41.3648, 62.0234, 19.6737)

Have a look what the booklet for
XYZ(41.3648, 62.0234, 19.6737)
contains.

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Color

**XYZ(41.2115, 61.8045,
19.6549)**

Conversions

Conversions Part 1

Format	Color
Hex	92E35B
RGB	146, 227, 91
RGB Percent	57%, 89%, 36%
CMY	0.4275, 0.1098, 0.6431
CMYK	0.36, 0.00, 0.60, 0.11
HSL	96°, 71%, 62%
HSV	96°, 60%, 89%
XYZ	41.2115, 61.8045, 19.6549
YIQ	187.2770, -4.6200, -59.4680

Conversions

Conversions Part 2

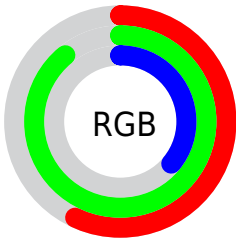
Format	Color
RYB	91, 227, 172
Decimal	9626459
CIELab	82.81, -47.46, 57.33
CIELCh	83, 74.427, 129.621
Yxy	61.8045, 0.3360, 0.5038
Android (android.graphics.Color)	4287816539 (0xFF92E35B)
YUV	187.2770, -47.4646, -36.1999
Hunter-Lab	78.6158, -44.0056, 40.2079

Details

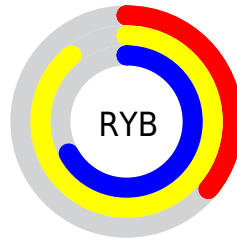
The XYZ color **41.2115, 61.8045, 19.6549** is a light color, and the websafe version is hex **99FF66**. The color can be described as light muted chartreuse. A complement of this color would be **34.6223, 21.8008, 75.0596**, and the grayscale version is **47.6537, 50.1354, 54.5975**.

A 20% lighter version of the original color is **65.7727, 86.4017, 39.9987**, and **18.9715, 31.3652, 6.5676** is the 20% darker color. If you saturate the color by 10%, you get **38.1139, 60.3061, 15.1490**, and if you desaturate by 10%, it is **44.8925, 63.5733, 25.7363**.

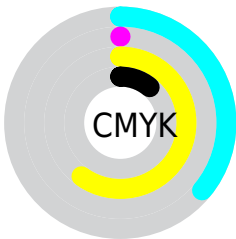
Distribution



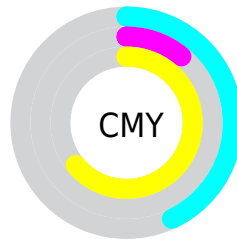
- Red (57%)
- Green (89%)
- Blue (36%)



- Red (36%)
- Yellow (89%)
- Blue (67%)



- Cyan (36%)
- Magenta (0%)
- Yellow (60%)
- Black (11%)





- Cyan (43%)
- Magenta (11%)
- Yellow (64%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 41.2115, 61.8045, 19.6549 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 41.2115, 61.8045, 19.6549 by changing the saturation by 10% instead.


 41.2115, 61.8045,
19.6549


 41.2115, 61.8045,
19.6549


342.2513,
431.2176, 262.5829


 28.6728, 44.8747,
11.9629


 76.2775, 107.4429,
43.6892

 18.9765, 31.3588,
6.5962


 99.5356, 136.9204,
60.8685

 11.7572, 20.8722,
3.1363


 127.0974,
171.3492, 82.0473

 6.6496, 13.0306,
1.1646

 159.3284,
211.1138, 107.6442

 3.2883, 7.4496,
0.0000

196.5940,
256.5986, 138.0776

 1.3080, 3.7449,
0.0000

239.2594,

 0.1892, 1.5319,

308.1878, 173.7662

0.0000

287.6901,
366.2661, 215.1284

■ 0.0000, 0.3110,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 41.2115, 61.8045,
19.6549

■ 41.2115, 61.8045,
19.6549

■ 38.1139, 60.3061,
15.1490

■ 44.8925, 63.5733,
25.7363

■ 35.5578, 59.0539,
12.0684


■ 49.1860, 65.6189,
33.5170


■ 33.5013, 58.0321,
10.2411


■ 54.1242, 67.9573,
43.1133


■ 31.8768, 57.2122,
9.3688

■ 59.7355, 70.6010,
54.6298


 31.8637, 57.2056,
9.3624

 66.0465, 73.5614,
68.1634

 73.0821, 76.8495,
83.8044

 80.8660, 80.4756,
101.6375

 86.4545, 83.2631,
106.1225

 86.7604, 83.4208,
106.1368

Harmonies

Analogous

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



53.7451, 61.8045, 12.4145



41.2115, 61.8045, 19.6549



34.3454, 61.8045, 41.0172

Triad

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



41.2115, 61.8045, 19.6549



48.6586, 61.8045, 188.4544



94.6383, 61.8045, 53.6038

Complementary

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



41.2115, 61.8045, 19.6549



34.6223, 21.8008, 75.0596

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.



92.5995, 61.8045, 102.9168



41.2115, 61.8045, 19.6549



64.0422, 61.8045, 197.0857

Square

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



41.2115, 61.8045, 19.6549



38.0714, 61.8045, 140.6646



80.6523, 61.8045, 160.6582



85.8014, 61.8045, 25.2643

Rectangle

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



41.2115, 61.8045, 19.6549



33.0156, 61.8045, 66.7132



80.6523, 61.8045, 160.6582



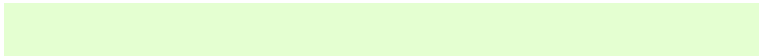
95.2339, 61.8045, 67.8793

Sweetspot

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



41.2130, 61.8072, 19.6562



79.1685, 92.5670, 74.0811



48.0067, 45.9633, 16.2400



16.4573, 19.5838, 14.8301



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.



41.2130, 61.8072, 19.6562



48.7012, 78.0585, 18.5288



34.2002, 58.1311, 22.0762



14.7383, 16.3722, 15.2878



18.7062, 33.4249, 5.4657



1.4852, 2.5230, 0.4087

Inverse Universe

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



34.6223, 21.8008, 75.0596



39.3275, 21.5717, 96.6987



47.7737, 28.7554, 67.7756



14.4019, 14.3094, 18.1473



14.0679, 6.3182, 42.8612



1.1440, 0.5207, 3.1722

Previews

White Background



This preview shows how the XYZ color 41.2115, 61.8045, 19.6549 looks on a white background.

Color Contrast Check

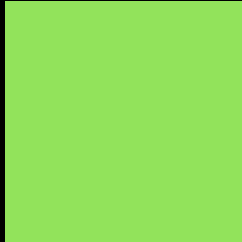
Large Text (above 18pt) WCAG AA × Fail

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 41.2115, 61.8045, 19.6549 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 41.2115, 61.8045, 19.6549

Background



This preview shows how black text looks on a background with the XYZ color 41.2115, 61.8045, 19.6549.



This preview shows how white text looks on a background with the XYZ color 41.2115, 61.8045,

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

41.2115, 61.8045, 19.6549

Protanopia

55.4659, 60.8125, 17.4089

Deuteranopia

62.3234, 60.8330, 20.5137



Tritanopia

54.0135, 61.5172, 83.8901

Trichromacy



Original Color

41.2115, 61.8045, 19.6549



Protanomaly

48.8033, 60.2824, 18.0803



Deuteranomaly

52.2020, 59.7849, 20.0976



Tritanomaly

47.5062, 60.7684, 51.8735

Monochromacy



Original Color

41.2115, 61.8045, 19.6549



Achromatopsia

47.2335, 49.6933, 54.1160



Achromatomaly

43.8013, 53.2787, 37.6810

CSS Examples

Text

The CSS property to change the color of the text to XYZ 41.2115, 61.8045, 19.6549 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(146, 227, 91)` looks like.

```
.text, #text, p{  
    color:rgb(146, 227, 91)  
}
```

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(146, 227, 91) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(146, 227, 91) }
```

Border

The CSS property to change the border of an element to XYZ 41.2115, 61.8045, 19.6549 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(146, 227, 91) }
```


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

```
.border{ border-color:rgb(146, 227, 91) }
```

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

Here you see how a box with a 4 pixel rgb(146, 227, 91) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(146, 227, 91); -webkit-box-  
shadow:4px 4px 4px 4px rgb(146, 227, 91);  
box-shadow:4px 4px 4px 4px rgb(146, 227,  
91) }
```

Background

The CSS property to change the background color of an element to XYZ 41.2115, 61.8045, 19.6549 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(146, 227, 91) }
```

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

```
.background{ background-color: rgb(146,  
227, 91) }
```

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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