

Converting Colors

XYZ(40.9225, 64.0837, 20.0548)

Have a look what the booklet for
XYZ(40.9225, 64.0837, 20.0548)
contains.

XYZ(41.0189, 64.1841, 20.1244)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(41.0189, 64.1841,
20.1244)**

Conversions

Conversions Part 1

Format	Color
Hex	87E95B
RGB	135, 233, 91
RGB Percent	53%, 91%, 36%
CMY	0.4706, 0.0863, 0.6431
CMYK	0.42, 0.00, 0.61, 0.09
HSL	101°, 76%, 64%
HSV	101°, 61%, 91%
XYZ	41.0189, 64.1841, 20.1244
YIQ	187.5100, -12.8260, -64.9380

Conversions

Conversions Part 2

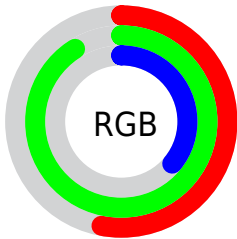
Format	Color
RYB	91, 233, 189
Decimal	8907099
CIELab	84.06, -53.45, 58.60
CIELCh	84, 79.312, 132.371
Yxy	64.1841, 0.3273, 0.5121
Android (android.graphics.Color)	4287097179 (0xFF87E95B)
YUV	187.5100, -47.5794, -46.0513
Hunter-Lab	80.1150, -48.8091, 41.1872

Details

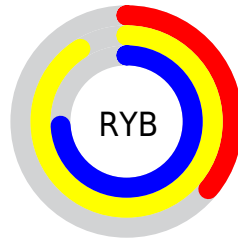
The XYZ color **41.0189, 64.1841, 20.1244** is a light color, and the websafe version is hex **99FF66**. The color can be described as light muted chartreuse. A complement of this color would be **39.4387, 24.1864, 79.6842**, and the grayscale version is **47.7899, 50.2786, 54.7534**.

A 20% lighter version of the original color is **62.9406, 84.9328, 40.2705**, and **18.7803, 32.6970, 6.7602** is the 20% darker color. If you saturate the color by 10%, you get **37.7712, 62.6105, 15.5159**, and if you desaturate by 10%, it is **44.9725, 66.0895, 26.3970**.

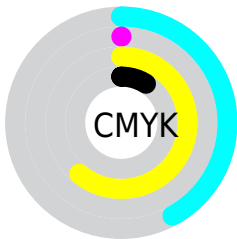
Distribution



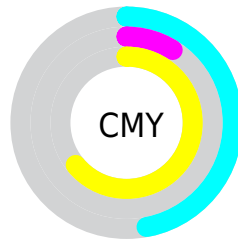
- Red (53%)
- Green (91%)
- Blue (36%)



- Red (36%)
- Yellow (91%)
- Blue (74%)



- Cyan (42%)
- Magenta (0%)
- Yellow (61%)
- Black (9%)



- Cyan (47%)
- Magenta (9%)
- Yellow (64%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 41.0189, 64.1841, 20.1244 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 41.0189, 64.1841, 20.1244 by changing the saturation by 10% instead.

■ 41.0189, 64.1841,
20.1244

■ 41.0189, 64.1841,
20.1244

341.4608,
439.8542, 265.2143

■ 28.5216, 46.7998,
12.3005

■ 75.9871, 110.8760,
44.4874

■ 18.8617, 32.8774,
6.8237

■ 99.1887, 140.9524,
61.8635

■ 11.6738, 22.0326,
3.2753

■ 126.6891,
176.0284, 83.2609

■ 6.5926, 13.8808,
1.2369

■ 158.8537,
216.4882, 109.0980

■ 3.2527, 8.0378,
0.0092

196.0478,
262.7162, 139.7933

■ 1.2888, 4.1192,
0.0000

238.6368,

■ 0.1748, 1.7404,

315.0970, 175.7654

0.0000

286.9860,
374.0148, 217.4329

■ 0.0000, 0.4496,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 41.0189, 64.1841,
20.1244

■ 41.0189, 64.1841,
20.1244

■ 37.7712, 62.6105,
15.5159

■ 44.9725, 66.0895,
26.3970

■ 35.1774, 61.3394,
12.4085


■ 49.6699, 68.3373,
34.4678


■ 33.1843, 60.3496,
10.6141

■ 55.1515, 70.9477,
44.4622


■ 31.8270, 59.6656,
9.8392

■ 61.4533, 73.9366,
56.4931

 68.6088, 77.3191,
70.6649

 76.6496, 81.1095,
87.0745

 85.6059, 85.3211,
105.8131

 88.4303, 86.7606,
106.6934

Harmonies

Analogous

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



54.0752, 64.1841, 11.6875



41.0189, 64.1841, 20.1244



34.2236, 64.1841, 44.5708

Triad

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



41.0189, 64.1841, 20.1244



51.3698, 64.1841, 207.8677



100.1366, 64.1841, 51.2031

Complementary

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



41.0189, 64.1841, 20.1244



39.4387, 24.1864, 79.6842

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.



99.0288, 64.1841, 103.3286



41.0189, 64.1841, 20.1244



68.5031, 64.1841, 212.6368

Square

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



41.0189, 64.1841, 20.1244



39.3661, 64.1841, 157.0451



86.6128, 64.1841, 168.0178



89.4000, 64.1841, 22.9758

Rectangle

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



41.0189, 64.1841, 20.1244



33.1790, 64.1841, 73.9493



86.6128, 64.1841, 168.0178



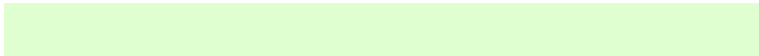
101.1875, 64.1841, 65.9735

Sweetspot

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



41.0204, 64.1868, 20.1258



77.8114, 91.8674, 74.0176



53.4857, 54.0625, 17.5146



16.1293, 19.4147, 14.8148



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.



41.0204, 64.1868, 20.1258



45.5112, 76.4234, 17.9583



36.6682, 61.7902, 26.8354



15.3073, 17.0885, 16.0103



18.1702, 33.9115, 5.5879



1.5222, 2.7121, 0.4433

Inverse Universe

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



39.4387, 24.1864, 79.6842



43.2803, 23.3722, 96.8379



48.6063, 29.3110, 62.1089



15.2344, 15.0661, 19.0274



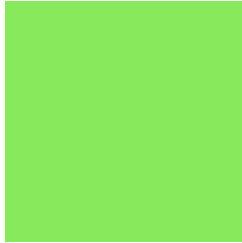
16.7967, 7.6949, 44.3429



1.4168, 0.6547, 3.4866

Previews

White Background



This preview shows how the XYZ color 41.0189, 64.1841, 20.1244 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 41.0189, 64.1841, 20.1244 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

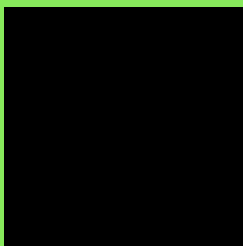
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

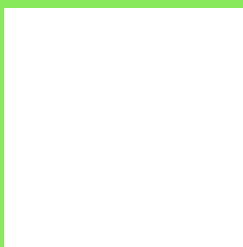
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 41.0189, 64.1841, 20.1244

Background



This preview shows how black text looks on a background with the XYZ color 41.0189, 64.1841, 20.1244.

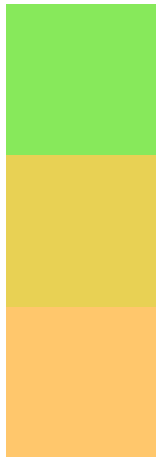


This preview shows how white text looks on a background with the XYZ color 41.0189, 64.1841,

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

41.0189, 64.1841, 20.1244

Protanopia

57.6794, 63.3968, 17.5843

Deuteranopia

64.3702, 63.1896, 22.9915



Tritanopia

54.5098, 63.5699, 88.7541

Trichromacy



Original Color

41.0189, 64.1841, 20.1244



Protanomaly

49.8177, 62.7012, 18.4937



Deuteranomaly

52.5565, 61.3967, 21.6511



Tritanomaly

47.5126, 62.6783, 54.3937

Monochromacy



Original Color

41.0189, 64.1841, 20.1244



Achromatopsia

47.7994, 50.2886, 54.7643



Achromatomaly

43.7048, 53.9207, 38.2412

CSS Examples

Text

The CSS property to change the color of the text to XYZ 41.0189, 64.1841, 20.1244 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(135, 233, 91)` looks like.

```
.text, #text, p{  
    color:rgb(135, 233, 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(135, 233, 91) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(135, 233, 91) }
```

Border

The CSS property to change the border of an element to XYZ 41.0189, 64.1841, 20.1244 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(135, 233, 91) }
```


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

```
.border{ border-color:rgb(135, 233, 91) }
```

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

Here you see how a box with a 4 pixel `rgb(135, 233, 91)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(135, 233, 91); -webkit-box-  
shadow:4px 4px 4px 4px rgb(135, 233, 91);  
box-shadow:4px 4px 4px 4px rgb(135, 233,  
91) }
```

Background

The CSS property to change the background color of an element to XYZ 41.0189, 64.1841, 20.1244 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(135, 233, 91) }
```

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

```
.background{ background-color: rgb(135,  
233, 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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