

Converting Colors

XYZ(41.1021, 65.9066, 21.3814)

Have a look what the booklet for
XYZ(41.1021, 65.9066, 21.3814)
contains.

XYZ(41.1021, 65.9066, 21.3814)	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(41.1021, 65.9066,
21.3814)**

Conversions

Conversions Part 1

Format	Color
Hex	7FED5F
RGB	127, 237, 95
RGB Percent	50%, 93%, 37%
CMY	0.5020, 0.0706, 0.6274
CMYK	0.46, 0.00, 0.60, 0.07
HSL	106°, 80%, 65%
HSV	106°, 60%, 93%
XYZ	41.1021, 65.9066, 21.3814
YIQ	187.9220, -19.9780, -67.4820

Conversions

Conversions Part 2

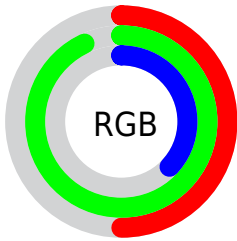
Format	Color
RYB	95, 237, 205
Decimal	8383839
CIELab	84.95, -57.02, 57.80
CIElCh	85, 81.192, 134.610
Yxy	65.9066, 0.3201, 0.5133
Android (android.graphics.Color)	4286573919 (0xFF7FED5F)
YUV	187.9220, -45.8105, -53.4286
Hunter-Lab	81.1829, -51.6972, 41.2126

Details

The XYZ color **41.1021, 65.9066, 21.3814** is a dark color, and the websafe version is hex **99FF66**. The color can be described as middle muted chartreuse. A complement of this color would be **44.5586, 27.2803, 83.0415**, and the grayscale version is **48.0172, 50.5179, 55.0140**.

A 20% lighter version of the original color is **61.5147, 84.1611, 41.8567**, and **18.8674, 33.9128, 7.4709** is the 20% darker color. If you saturate the color by 10%, you get **37.6951, 64.2583, 16.4288**, and if you desaturate by 10%, it is **45.3382, 67.9484, 28.0857**.

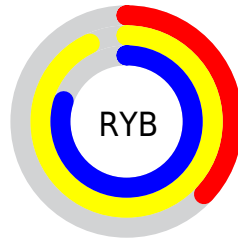
Distribution



Red (50%)

Green (93%)

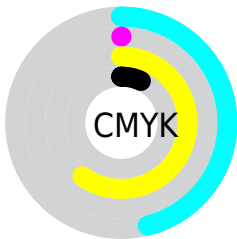
Blue (37%)



Red (37%)

Yellow (93%)

Blue (80%)

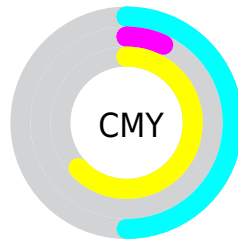


Cyan (46%)

Magenta (0%)

Yellow (60%)

Black (7%)



Cyan (50%)

Magenta (7%)

Yellow (63%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 41.1021, 65.9066, 21.3814 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 41.1021, 65.9066, 21.3814 by changing the saturation by 10% instead.

41.1021, 65.9066,
21.3814

41.1021, 65.9066,
21.3814

341.8025,
446.0428, 272.1459

28.5869, 48.1966,
13.2091

76.1126, 113.3523,
46.6104

18.9112, 33.9826,
7.4403

99.3386, 143.8567,
64.5043

11.7098, 22.8802,
3.6564

126.8656,
179.3948, 86.4757

6.6172, 14.5051,
1.4388

159.0589,
220.3508, 112.9433

3.2680, 8.4728,
0.1717

196.2838,
267.1092, 144.3256

1.2970, 4.3989,
0.0000

238.9059,

0.1810, 1.8991,

320.0544, 181.0410

0.0000

287.2903,
379.5708, 223.5083

■ 0.0000, 0.5479,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 41.1021, 65.9066,
21.3814

■ 41.1021, 65.9066,
21.3814

■ 37.6951, 64.2583,
16.4288

■ 45.3382, 67.9484,
28.0857

■ 35.0546, 62.9689,
13.0602


■ 50.4507, 70.3991,
36.6803


■ 33.1159, 62.0112,
11.0828


■ 56.4886, 73.2830,
47.2950


■ 31.7844, 61.3436,
10.1711

■ 63.4960, 76.6205,
60.0467

 31.7750, 61.3389,
10.1649

 71.5138, 80.4302,
75.0438

 80.5808, 84.7299,
92.3868

 89.5755, 89.0511,
107.0752

Harmonies

Analogous

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



54.2069, 65.9066, 11.8481



41.1021, 65.9066, 21.3814



34.5510, 65.9066, 48.2725

Triad

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



41.1021, 65.9066, 21.3814



53.7894, 65.9066, 218.6642



103.0702, 65.9066, 49.2931

Complementary

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



41.1021, 65.9066, 21.3814



44.5586, 27.2803, 83.0415

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.



102.8981, 65.9066, 101.8486



41.1021, 65.9066, 21.3814



71.9102, 65.9066, 219.4085

Square

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



41.1021, 65.9066, 21.3814



40.8478, 65.9066, 167.9172



90.6365, 65.9066, 169.6262



91.0689, 65.9066, 21.8154

Rectangle

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



41.1021, 65.9066, 21.3814



33.7874, 65.9066, 80.1393



90.6365, 65.9066, 169.6262



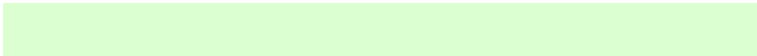
104.4989, 65.9066, 63.9881

Sweetspot

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



41.1037, 65.9094, 21.3829



76.6277, 91.2572, 73.9622



58.5546, 61.9562, 19.7000



15.8444, 19.2678, 14.8015



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.



41.1037, 65.9094, 21.3829



43.6906, 75.4755, 18.2943



39.2300, 64.6941, 32.5632



15.1858, 17.0258, 16.0047



17.4403, 33.5353, 5.5538



1.4509, 2.6753, 0.4399

Inverse Universe

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



44.5586, 27.2803, 83.0415



47.9527, 26.0182, 97.1024



49.3440, 30.3204, 57.3685



15.3636, 15.1327, 19.0334



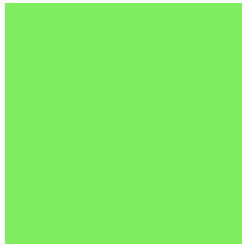
19.2039, 8.9359, 44.4556



1.5892, 0.7436, 3.4946

Previews

White Background



This preview shows how the XYZ color 41.1021, 65.9066, 21.3814 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 41.1021, 65.9066, 21.3814 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

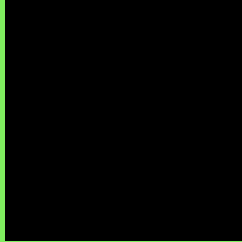
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 41.1021, 65.9066, 21.3814

Background



This preview shows how black text looks on a background with the XYZ color 41.1021, 65.9066, 21.3814.

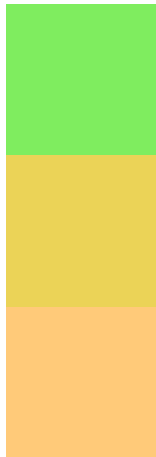


This preview shows how white text looks on a background with the XYZ color 41.1021, 65.9066,

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

41.1021, 65.9066, 21.3814

Protanopia

59.2755, 64.9388, 18.4271

Deuteranopia

65.8117, 64.8815, 27.1439



Tritanopia

55.1759, 65.4038, 92.1542

Trichromacy



Original Color

41.1021, 65.9066, 21.3814



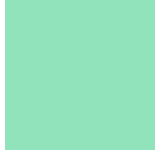
Protanomaly

50.2036, 63.6603, 19.3145



Deuteranomaly

53.2375, 63.1806, 24.7184



Tritanomaly

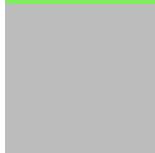
47.9403, 64.4553, 56.9281

Monochromacy



Original Color

41.1021, 65.9066, 21.3814



Achromatopsia

47.7994, 50.2886, 54.7643



Achromatomaly

43.6299, 54.5827, 38.8078

CSS Examples

Text

The CSS property to change the color of the text to XYZ 41.1021, 65.9066, 21.3814 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(127, 237, 95)` looks like.

```
.text, #text, p{  
    color:rgb(127, 237, 95)  
}
```

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(127, 237, 95) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(127, 237, 95) }
```

Border

The CSS property to change the border of an element to XYZ 41.1021, 65.9066, 21.3814 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(127, 237, 95) }
```


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

```
.border{ border-color:rgb(127, 237, 95) }
```

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

Here you see how a box with a 4 pixel rgb(127, 237, 95) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(127, 237, 95); -webkit-box-  
shadow:4px 4px 4px 4px rgb(127, 237, 95);  
box-shadow:4px 4px 4px 4px rgb(127, 237,  
95) }
```

Background

The CSS property to change the background color of an element to XYZ 41.1021, 65.9066, 21.3814 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(127, 237, 95) }
```

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

```
.background{ background-color: rgb(127,  
237, 95) }
```

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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