

Converting Colors

XYZ(41.6274, 65.9320, 35.6016)

Have a look what the booklet for
XYZ(41.6274, 65.9320, 35.6016)
contains.

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Color

**XYZ(41.6475, 65.8710,
35.7186)**

Conversions

Conversions Part 1

Format	Color
Hex	6FED8D
RGB	111, 237, 141
RGB Percent	44%, 93%, 55%
CMY	0.5647, 0.0706, 0.4470
CMYK	0.53, 0.00, 0.41, 0.07
HSL	134°, 78%, 68%
HSV	134°, 53%, 93%
XYZ	41.6475, 65.8710, 35.7186
YIQ	188.3820, -44.2800, -56.5680

Conversions

Conversions Part 2

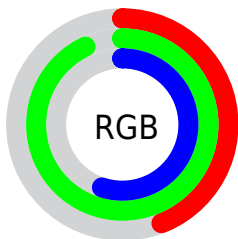
Format	Color
RYB	111, 213, 237
Decimal	7335309
CIELab	84.93, -55.28, 36.08
CIElCh	85, 66.011, 146.864
Yxy	65.8710, 0.2908, 0.4599
Android (android.graphics.Color)	4285525389 (0xFF6FED8D)
YUV	188.3820, -23.3593, -67.8640
Hunter-Lab	81.1610, -50.4349, 30.7194

Details

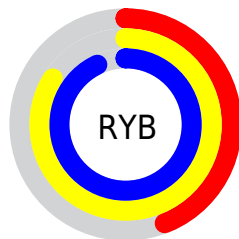
The XYZ color **41.6475, 65.8710, 35.7186** is a light color, and the websafe version is hex **66FF99**. A complement of this color would be **51.8741, 33.8798, 62.8393**, and the grayscale version is **48.1656, 50.6739, 55.1839**.

A 20% lighter version of the original color is **62.3014, 84.0516, 65.1645**, and **19.2066, 33.9217, 14.9864** is the 20% darker color. If you saturate the color by 10%, you get **37.8159, 64.0404, 29.0888**, and if you desaturate by 10%, it is **46.4925, 68.2025, 43.5422**.

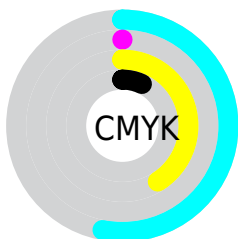
Distribution



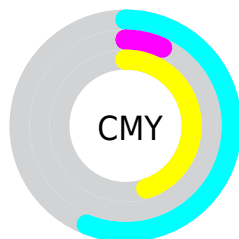
- Red (44%)
- Green (93%)
- Blue (55%)



- Red (44%)
- Yellow (84%)
- Blue (93%)



- Cyan (53%)
- Magenta (0%)
- Yellow (41%)
- Black (7%)



- Cyan (56%)
- Magenta (7%)
- Yellow (45%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 41.6475, 65.8710, 35.7186 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 41.6475, 65.8710, 35.7186 by changing the saturation by 10% instead.

41.6475, 65.8710,
35.7186

41.6475, 65.8710,
35.7186

344.0361,
445.9154, 342.7291

29.0153, 48.1677,
23.9290

76.9344, 113.3012,
69.7617

19.2367, 33.9597,
15.0692

100.3197,
143.7968, 92.8522

11.9465, 22.8626,
8.7208

128.0202,
179.3254, 120.5467

6.7792, 14.4921,
4.4652

160.4011,
220.2712, 153.2639

3.3695, 8.4637,
1.8839

197.8277,
267.0187, 191.4221

1.3520, 4.3931,
0.4824

240.6656,

0.2217, 1.8958,

319.9523, 235.4401

0.0000

289.2799,
379.4564, 285.7362

■ 0.0000, 0.5458,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 41.6475, 65.8710,
35.7186

■ 41.6475, 65.8710,
35.7186

■ 37.8159, 64.0404,
29.0888

■ 46.4925, 68.2025,
43.5422

■ 34.9180, 62.6652,
23.5896


■ 52.4129, 71.0600,
52.6099


■ 32.8700, 61.7054,
19.1584

■ 59.4714, 74.4766,
62.9745


■ 31.5697, 61.1097,
15.7248

■ 67.7244, 78.4806,
74.6844

 31.0098, 60.8607,
13.9096

 77.2245, 83.0979,
87.7855

 88.0212, 88.3532,
102.3216

 89.5755, 89.0509,
107.0752

Harmonies

Analogous

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



50.5930, 65.8710, 20.7707



41.6475, 65.8710, 35.7186



38.2454, 65.8710, 67.3496

Triad

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



41.6475, 65.8710, 35.7186



61.0623, 65.8710, 187.9857



91.6286, 65.8710, 40.8009

Complementary

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



41.6475, 65.8710, 35.7186



51.8741, 33.8798, 62.8393

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.



95.5941, 65.8710, 76.2804



41.6475, 65.8710, 35.7186



76.3898, 65.8710, 171.9520

Square

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



41.6475, 65.8710, 35.7186



48.2864, 65.8710, 164.0776



89.6337, 65.8710, 126.2283



79.5146, 65.8710, 22.7869

Rectangle

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



41.6475, 65.8710, 35.7186



39.1034, 65.8710, 98.1020



89.6337, 65.8710, 126.2283



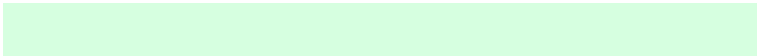
94.0341, 65.8710, 50.5541

Sweetspot

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



41.6492, 65.8737, 35.7201



76.9929, 91.2234, 84.0100



59.0560, 75.0712, 26.4171



16.0419, 19.3131, 17.3624



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.



41.6492, 65.8737, 35.7201



44.2272, 75.4144, 33.5766



47.6689, 68.2816, 67.4198



15.0153, 16.9209, 16.7635



16.9721, 33.2433, 7.8179



1.3694, 2.6251, 0.8069

Inverse Universe

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



51.8741, 33.8798, 62.8393



57.4630, 33.8449, 68.5667



45.6914, 31.4067, 30.2816



15.5525, 15.2489, 18.1950



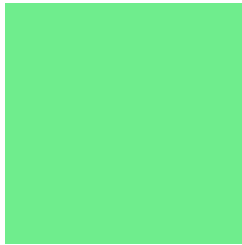
23.6511, 11.6631, 25.0277



1.8940, 0.9306, 2.1594

Previews

White Background



This preview shows how the XYZ color 41.6475, 65.8710, 35.7186 looks on a white background.

Color Contrast Check

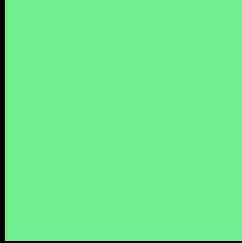
Large Text (above 18pt) WCAG AA × Fail

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 41.6475, 65.8710, 35.7186 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

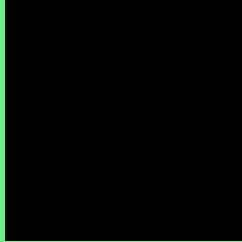
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 41.6475, 65.8710, 35.7186

Background



This preview shows how black text looks on a background with the XYZ color 41.6475, 65.8710, 35.7186.



This preview shows how white text looks on a background with the XYZ color 41.6475, 65.8710,

35.7186.

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

41.6475, 65.8710, 35.7186

Protanopia

60.0241, 65.0502, 30.8651

Deuteranopia

65.9697, 64.7350, 37.4519



Tritanopia

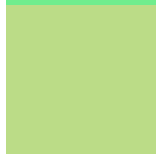
53.4194, 65.6399, 94.6483

Trichromacy



Original Color

41.6475, 65.8710, 35.7186



Protanomaly

50.4599, 63.5005, 32.5190



Deuteranomaly

53.0419, 62.8183, 36.5237



Tritanomaly

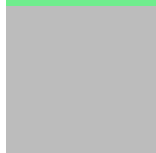
48.0620, 65.0840, 68.4219

Monochromacy



Original Color

41.6475, 65.8710, 35.7186



Achromatopsia

47.7994, 50.2886, 54.7643



Achromatomaly

43.9192, 54.5565, 46.7437

CSS Examples

Text

The CSS property to change the color of the text to XYZ 41.6475, 65.8710, 35.7186 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(111, 237, 141)` looks like.

```
.text, #text, p{  
    color:rgb(111, 237, 141)  
}
```

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(111, 237, 141) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(111, 237, 141) }
```

Border

The CSS property to change the border of an element to XYZ 41.6475, 65.8710, 35.7186 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(111, 237, 141) }
```


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

```
.border{ border-color:rgb(111, 237, 141) }
```

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

Here you see how a box with a 4 pixel rgb(111, 237, 141) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(111, 237, 141); -webkit-box-  
shadow:4px 4px 4px 4px rgb(111, 237, 141);  
box-shadow:4px 4px 4px 4px rgb(111, 237,  
141) }
```

Background

The CSS property to change the background color of an element to XYZ 41.6475, 65.8710, 35.7186 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(111, 237, 141) }
```

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

```
.background{ background-color: rgb(111,  
237, 141) }
```

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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