

Converting Colors

XYZ(40.2563, 65.5312, 26.7655)

Have a look what the booklet for
XYZ(40.2563, 65.5312, 26.7655)
contains.

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Color

**XYZ(40.1888, 65.3169,
26.7089)**

Conversions

Conversions Part 1

Format	Color
Hex	71ED73
RGB	113, 237, 115
RGB Percent	44%, 93%, 45%
CMY	0.5569, 0.0706, 0.5490
CMYK	0.52, 0.00, 0.51, 0.07
HSL	121°, 78%, 69%
HSV	121°, 52%, 93%
XYZ	40.1888, 65.3169, 26.7089
YIQ	186.0160, -34.7420, -64.2300

Conversions

Conversions Part 2

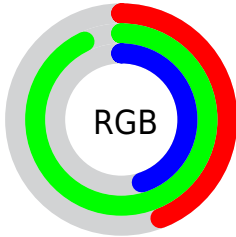
Format	Color
RYB	113, 235, 237
Decimal	7466355
CIELab	84.65, -58.54, 48.33
CIELCh	85, 75.913, 140.456
Yxy	65.3169, 0.3040, 0.4940
Android (android.graphics.Color)	4285656435 (0xFF71ED73)
YUV	186.0160, -35.0109, -64.0350
Hunter-Lab	80.8189, -52.6703, 36.9791

Details

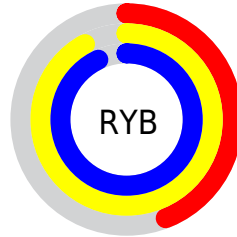
The XYZ color **40.1888, 65.3169, 26.7089** is a light color, and the websafe version is hex **66FF99**. A complement of this color would be **55.8276, 35.8141, 82.5695**, and the grayscale version is **46.8865, 49.3283, 53.7185**.

A 20% lighter version of the original color is **60.1550, 83.2688, 50.4381**, and **18.3908, 33.6057, 10.2199** is the 20% darker color. If you saturate the color by 10%, you get **36.3523, 63.4769, 20.3896**, and if you desaturate by 10%, it is **45.1639, 67.7084, 34.8555**.

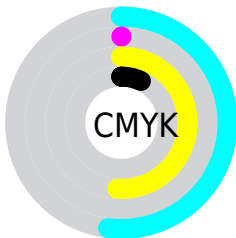
Distribution



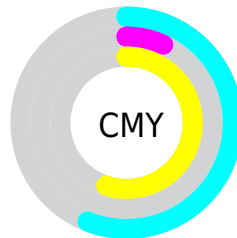
- Red (44%)
- Green (93%)
- Blue (45%)



- Red (44%)
- Yellow (92%)
- Blue (93%)



- Cyan (52%)
- Magenta (0%)
- Yellow (51%)
- Black (7%)



- Cyan (56%)
- Magenta (7%)
- Yellow (55%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 40.1888, 65.3169, 26.7089 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 40.1888, 65.3169, 26.7089 by changing the saturation by 10% instead.

40.1888, 65.3169,
26.7089

40.1888, 65.3169,
26.7089

338.0395,
443.9299, 299.9603

27.8706, 47.7181,
17.1242

74.7334, 112.5053,
55.4144

18.3681, 33.6037,
10.1602

97.6906, 142.8638,
75.3724

11.3159, 22.5893,
5.3983

124.9249,
178.2442, 99.6251

6.3486, 14.2906,
2.4200

156.8016,
219.0310, 128.5913

3.1008, 8.3230,
0.7973

193.6860,
265.6085, 162.6893

1.2073, 4.3023,
0.0000

235.9436,

0.1121, 1.8441,

318.3613, 202.3378

0.0000

283.9396,
377.6736, 247.9553

■ 0.0000, 0.5144,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 40.1888, 65.3169,
26.7089

■ 40.1888, 65.3169,
26.7089

■ 36.3523, 63.4769,
20.3896

■ 45.1639, 67.7084,
34.8555

■ 33.5601, 62.1372,
15.7528


■ 51.3528, 70.6819,
44.9508


■ 31.7109, 61.2509,
12.6389


■ 58.8296, 74.2749,
57.1109


■ 30.6809, 60.7584,
10.8561

■ 67.6616, 78.5199,
71.4415

 30.3064, 60.5793,
10.2056

 77.9109, 83.4468,
88.0412

 89.5610, 89.0452,
106.9990

 89.5755, 89.0510,
107.0752

Harmonies

Analogous

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



51.3741, 65.3169, 14.6153



40.1888, 65.3169, 26.7089



35.1695, 65.3169, 56.7388

Triad

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



40.1888, 65.3169, 26.7089



56.8334, 65.3169, 208.5829



97.8969, 65.3169, 43.2320

Complementary

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



40.1888, 65.3169, 26.7089



55.8276, 35.8141, 82.5695

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.



100.0862, 65.3169, 87.7442



40.1888, 65.3169, 26.7089



74.1825, 65.3169, 199.3112

Square

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



40.1888, 65.3169, 26.7089



43.5582, 65.3169, 170.1050



90.7572, 65.3169, 148.6311



85.2286, 65.3169, 20.6941

Rectangle

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



40.1888, 65.3169, 26.7089



35.2313, 65.3169, 89.4382



90.7572, 65.3169, 148.6311



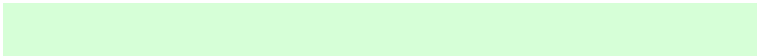
99.9624, 65.3169, 55.4894

Sweetspot

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



40.1904, 65.3196, 26.7104



75.7976, 90.7453, 77.7155



68.1927, 79.7685, 27.4259



15.7610, 19.2008, 15.8834



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.



40.1904, 65.3196, 26.7104



42.5671, 74.7802, 23.4860



44.8338, 67.1770, 51.1624



14.8782, 16.8661, 16.0415



16.5501, 33.0745, 5.5957



1.3031, 2.5985, 0.4577

Inverse Universe

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



55.8276, 35.8141, 82.5695



62.9091, 36.3819, 96.1401



48.5700, 32.9111, 44.3515



15.7037, 15.3093, 18.9911



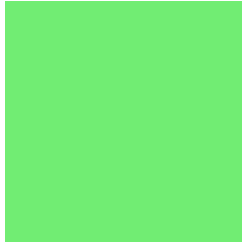
27.1164, 13.0493, 43.2759



2.1327, 1.0260, 3.4160

Previews

White Background



This preview shows how the XYZ color 40.1888, 65.3169, 26.7089 looks on a white background.

Color Contrast Check

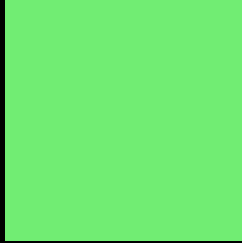
Large Text (above 18pt) WCAG AA × Fail

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 40.1888, 65.3169, 26.7089 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 40.1888, 65.3169, 26.7089

Background



This preview shows how black text looks on a background with the XYZ color 40.1888, 65.3169, 26.7089.

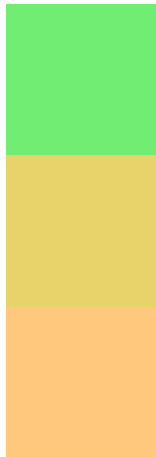


This preview shows how white text looks on a background with the XYZ color 40.1888, 65.3169,

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

40.1888, 65.3169, 26.7089

Protanopia

58.9268, 64.2896, 22.9390

Deuteranopia

65.5324, 64.0238, 27.9727



Tritanopia

53.2494, 64.7889, 92.9181

Trichromacy



Original Color

40.1888, 65.3169, 26.7089



Protanomaly

49.3398, 63.1093, 24.0488



Deuteranomaly

51.8740, 61.6655, 27.2577



Tritanomaly

46.9538, 64.2522, 61.5570

Monochromacy



Original Color

40.1888, 65.3169, 26.7089



Achromatopsia

46.6715, 49.1021, 53.4722



Achromatomaly

42.4746, 53.5716, 41.3594

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.1888, 65.3169, 26.7089 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(113, 237, 115)` looks like.

```
.text, #text, p{  
    color:rgb(113, 237, 115)  
}
```

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(113, 237, 115) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(113, 237, 115) }
```

Border

The CSS property to change the border of an element to XYZ 40.1888, 65.3169, 26.7089 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(113, 237, 115) }
```


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

```
.border{ border-color:rgb(113, 237, 115) }
```

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

Here you see how a box with a 4 pixel `rgb(113, 237, 115)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(113, 237, 115); -webkit-box-  
shadow:4px 4px 4px 4px rgb(113, 237, 115);  
box-shadow:4px 4px 4px 4px rgb(113, 237,  
115) }
```

Background

The CSS property to change the background color of an element to XYZ 40.1888, 65.3169, 26.7089 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(113, 237, 115) }
```

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

```
.background{ background-color: rgb(113,  
237, 115) }
```

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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