

Converting Colors

XYZ(41.1420, 63.6107, 26.6111)

Have a look what the booklet for
XYZ(41.1420, 63.6107, 26.6111)
contains.

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Color

**XYZ(41.2149, 63.7200,
26.6499)**

Conversions

Conversions Part 1

Format	Color
Hex	82E874
RGB	130, 232, 116
RGB Percent	51%, 91%, 45%
CMY	0.4902, 0.0902, 0.5451
CMYK	0.44, 0.00, 0.50, 0.09
HSL	113°, 72%, 68%
HSV	113°, 50%, 91%
XYZ	41.2149, 63.7200, 26.6499
YIQ	188.2780, -23.5560, -57.7000

Conversions

Conversions Part 2

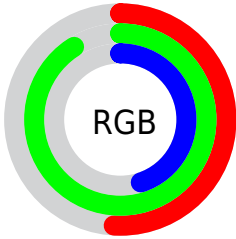
Format	Color
RYB	116, 232, 218
Decimal	8579188
CIELab	83.82, -51.81, 47.00
CIELCh	84, 69.949, 137.787
Yxy	63.7200, 0.3132, 0.4843
Android (android.graphics.Color)	4286769268 (0xFF82E874)
YUV	188.2780, -35.6331, -51.1098
Hunter-Lab	79.8248, -47.5308, 36.0831

Details

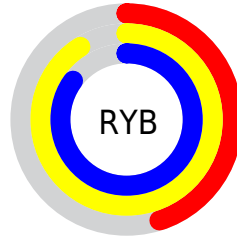
The XYZ color **41.2149, 63.7200, 26.6499** is a light color, and the websafe version is hex **66CC66**. A complement of this color would be **49.7275, 33.2245, 80.1394**, and the grayscale version is **48.1654, 50.6738, 55.1837**.

A 20% lighter version of the original color is **63.7547, 85.1136, 51.0986**, and **19.0493, 32.7604, 10.1699** is the 20% darker color. If you saturate the color by 10%, you get **37.2056, 61.7920, 20.2763**, and if you desaturate by 10%, it is **46.1847, 66.1080, 34.8301**.

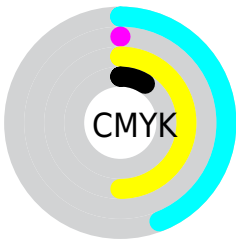
Distribution



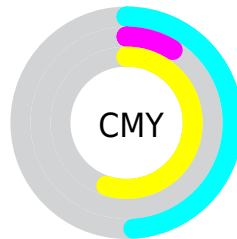
- Red (51%)
- Green (91%)
- Blue (45%)



- Red (45%)
- Yellow (91%)
- Blue (85%)



- Cyan (44%)
- Magenta (0%)
- Yellow (50%)
- Black (9%)





- Cyan (49%)
- Magenta (9%)
- Yellow (55%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 41.2149, 63.7200, 26.6499 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 41.2149, 63.7200, 26.6499 by changing the saturation by 10% instead.


 41.2149, 63.7200,
26.6499


 41.2149, 63.7200,
26.6499


342.2652,
438.1778, 299.6643


 28.6755, 46.4239,
17.0804


 76.2827, 110.2076,
55.3184

 18.9785, 32.5805,
10.1292


 99.5417, 140.1679,
75.2545

 11.7587, 21.8053,
5.3780


 127.1046,
175.1184, 99.4832

 6.6506, 13.7139,
2.4081

159.3368,
215.4435, 128.4230

 3.2889, 7.9219,
0.7909

196.6036,
261.5276, 162.4925

 1.3083, 4.0450,
0.0000

239.2704,

 0.1894, 1.6988,

313.7551, 202.1102

0.0000

287.7025,
372.5104, 247.6946

■ 0.0000, 0.4229,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 41.2149, 63.7200,
26.6499

■ 41.2149, 63.7200,
26.6499

■ 37.2056, 61.7920,
20.2763

■ 46.1847, 66.1080,
34.8301

■ 34.0898, 60.2867,
15.5685


■ 52.1670, 68.9746,
44.9349


■ 31.7989, 59.1741,
12.3722


■ 59.2159, 72.3469,
57.0776


■ 30.2523, 58.4165,
10.5023


■ 67.3798, 76.2479,
71.3611

 29.3367, 57.9626,
9.6417

 76.7046, 80.6990,
87.8816

 29.3367, 57.9626,
9.6417

 87.2001, 85.7072,
106.5549

 88.1479, 86.1958,
106.5993

Harmonies

Analogous

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



51.9814, 63.7200, 15.9809



41.2149, 63.7200, 26.6499



36.0384, 63.7200, 52.9787

Triad

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



41.2149, 63.7200, 26.6499



54.5276, 63.7200, 189.2542



93.2691, 63.7200, 46.6139

Complementary

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



41.2149, 63.7200, 26.6499



49.7275, 33.2245, 80.1394

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.



94.2640, 63.7200, 88.8593



41.2149, 63.7200, 26.6499



70.0428, 63.7200, 185.1280

Square

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



41.2149, 63.7200, 26.6499



42.8063, 63.7200, 152.7897



85.1816, 63.7200, 143.1538



82.6573, 63.7200, 23.6929

Rectangle

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



41.2149, 63.7200, 26.6499



35.7589, 63.7200, 81.4847



85.1816, 63.7200, 143.1538



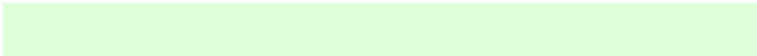
94.7971, 63.7200, 58.5381

Sweetspot

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



41.2165, 63.7227, 26.6513



78.1821, 91.9463, 79.1021



61.1266, 67.8053, 26.3900



16.2827, 19.4645, 16.1425



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.



41.2165, 63.7227, 26.6513



45.9682, 76.5055, 24.9146



42.2787, 63.9162, 42.6994



14.3501, 16.1720, 15.2696



16.3409, 32.2055, 5.3550



1.2609, 2.4074, 0.3982

Inverse Universe

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



49.7275, 33.2245, 80.1394



57.5724, 34.6479, 98.2610



48.7624, 33.3427, 52.2781



14.8149, 14.5223, 18.1666



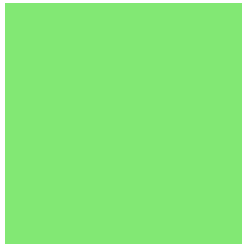
21.9832, 10.3987, 43.2317



1.6730, 0.7934, 3.1969

Previews

White Background



This preview shows how the XYZ color 41.2149, 63.7200, 26.6499 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 41.2149, 63.7200, 26.6499 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 41.2149, 63.7200, 26.6499

Background



This preview shows how black text looks on a background with the XYZ color 41.2149, 63.7200, 26.6499.

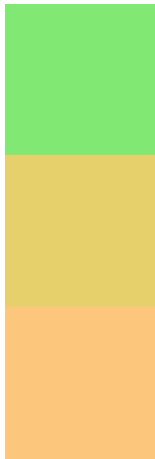


This preview shows how white text looks on a background with the XYZ color 41.2149, 63.7200,

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

41.2149, 63.7200, 26.6499

Protanopia

57.5757, 62.8525, 23.2845

Deuteranopia

63.9771, 62.5388, 27.7680



Tritanopia

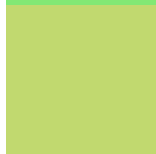
53.6087, 63.4915, 88.7865

Trichromacy



Original Color

41.2149, 63.7200, 26.6499



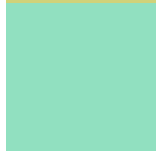
Protanomaly

49.6744, 62.1109, 24.4094



Deuteranomaly

52.5102, 60.8836, 27.0733



Tritanomaly

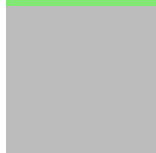
47.8471, 63.1368, 59.5340

Monochromacy



Original Color

41.2149, 63.7200, 26.6499



Achromatopsia

47.7994, 50.2886, 54.7643



Achromatomaly

44.0508, 54.0099, 42.2856

CSS Examples

Text

The CSS property to change the color of the text to XYZ 41.2149, 63.7200, 26.6499 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(130, 232, 116)` looks like.

```
.text, #text, p{  
    color:rgb(130, 232, 116)  
}
```

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(130, 232, 116) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(130, 232, 116) }
```

Border

The CSS property to change the border of an element to XYZ 41.2149, 63.7200, 26.6499 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(130, 232, 116) }
```


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

```
.border{ border-color:rgb(130, 232, 116) }
```

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

Here you see how a box with a 4 pixel `rgb(130, 232, 116)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(130, 232, 116); -webkit-box-  
shadow:4px 4px 4px 4px rgb(130, 232, 116);  
box-shadow:4px 4px 4px 4px rgb(130, 232,  
116) }
```

Background

The CSS property to change the background color of an element to XYZ 41.2149, 63.7200, 26.6499 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(130, 232, 116) }
```

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

```
.background{ background-color: rgb(130,  
232, 116) }
```

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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