

Converting Colors

XYZ(41.5025, 66.4204, 24.9177)

Have a look what the booklet for
XYZ(41.5025, 66.4204, 24.9177)
contains.

XYZ(41.4497, 66.4427, 24.8275)	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(41.4497, 66.4427,
24.8275)**

Conversions

Conversions Part 1

Format	Color
Hex	7BEE6C
RGB	123, 238, 108
RGB Percent	48%, 93%, 42%
CMY	0.5176, 0.0666, 0.5765
CMYK	0.48, 0.00, 0.55, 0.07
HSL	113°, 79%, 68%
HSV	113°, 55%, 93%
XYZ	41.4497, 66.4427, 24.8275
YIQ	188.7950, -26.8100, -64.8100

Conversions

Conversions Part 2

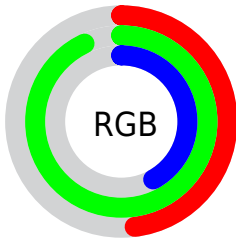
Format	Color
RYB	108, 238, 223
Decimal	8121964
CIELab	85.22, -57.13, 52.33
CIELCh	85, 77.480, 137.510
Yxy	66.4427, 0.3123, 0.5006
Android (android.graphics.Color)	4286312044 (0xFF7BEE6C)
YUV	188.7950, -39.8319, -57.7022
Hunter-Lab	81.5124, -51.8780, 38.9998

Details

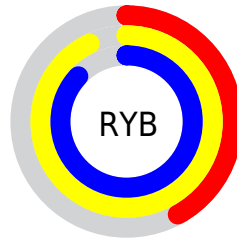
The XYZ color **41.4497, 66.4427, 24.8275** is a light color, and the websafe version is hex **99FF66**. A complement of this color would be **51.2300, 32.5884, 84.4825**, and the grayscale version is **48.4855, 51.0105, 55.5505**.

A 20% lighter version of the original color is **61.5730, 84.0737, 47.1650**, and **19.1379, 34.3157, 9.2293** is the 20% darker color. If you saturate the color by 10%, you get **37.6574, 64.6166, 18.9168**, and if you desaturate by 10%, it is **46.2386, 68.7466, 32.5920**.

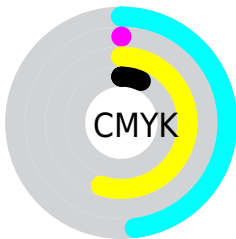
Distribution



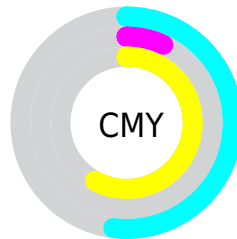
- Red (48%)
- Green (93%)
- Blue (42%)



- Red (42%)
- Yellow (93%)
- Blue (87%)



- Cyan (48%)
- Magenta (0%)
- Yellow (55%)
- Black (7%)



- Cyan (52%)
- Magenta (7%)
- Yellow (58%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 41.4497, 66.4427, 24.8275 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 41.4497, 66.4427, 24.8275 by changing the saturation by 10% instead.

41.4497, 66.4427,
24.8275

41.4497, 66.4427,
24.8275

343.2272,
447.9585, 290.3979

28.8599, 48.6319,
15.7307

76.6365, 114.1215,
52.3379

19.1186, 34.3275,
9.1815

99.9641, 144.7582,
71.5886

11.8605, 23.1453,
4.7613

127.6018,
180.4391, 95.0610

6.7203, 14.7009,
2.0516

159.9148,
221.5484, 123.1737

3.3326, 8.6097,
0.5868

197.2684,
268.4706, 156.3452

1.3320, 4.4875,
0.0000

240.0282,

0.2070, 1.9498,

321.5901, 194.9940

0.0000

288.5593,
381.2912, 239.5388

■ 0.0000, 0.5781,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 41.4497, 66.4427,
24.8275

■ 41.4497, 66.4427,
24.8275

■ 37.6574, 64.6166,
18.9168

■ 46.2386, 68.7466,
32.5920

■ 34.7862, 63.2267,
14.7016


■ 52.0832, 71.5498,
42.3427


■ 32.7572, 62.2384,
12.0044

■ 59.0435, 74.8826,
54.2049


■ 31.4757, 61.6073,
10.6066

■ 67.1735, 78.7704,
68.2923

 31.0400, 61.3910,
10.2137

 76.5240, 83.2371,
84.7106

 87.1425, 88.3049,
103.5586

 89.8659, 89.6317,
107.1720

Harmonies

Analogous

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



53.5604, 66.4427, 13.8696



41.4497, 66.4427, 24.8275



35.6700, 66.4427, 53.4433

Triad

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



41.4497, 66.4427, 24.8275



56.1515, 66.4427, 213.0864



100.9774, 66.4427, 47.0544

Complementary

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



41.4497, 66.4427, 24.8275



51.2300, 32.5884, 84.4825

Split Complementary

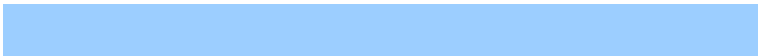
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



102.0239, 66.4427, 95.2478



41.4497, 66.4427, 24.8275



73.8249, 66.4427, 208.6294

Square

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



41.4497, 66.4427, 24.8275



43.0435, 66.4427, 169.1944



91.3513, 66.4427, 158.8959



88.7119, 66.4427, 22.0156

Rectangle

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



41.4497, 66.4427, 24.8275



35.3243, 66.4427, 85.6833



91.3513, 66.4427, 158.8959



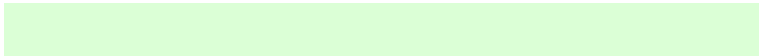
102.7244, 66.4427, 60.4679

Sweetspot

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



41.4513, 66.4455, 24.8290



77.1085, 91.4309, 77.3362



64.3127, 71.9494, 24.6864



16.0683, 19.3615, 15.7947



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.



41.4513, 66.4455, 24.8290



43.4256, 75.2745, 21.1934



42.9182, 66.8031, 42.9067



15.7352, 17.7437, 16.7453



17.3706, 34.2764, 5.7005



1.5000, 2.8798, 0.4768

Inverse Universe

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



51.2300, 32.5884, 84.4825



55.8883, 31.7498, 97.7904



49.7199, 32.5421, 51.3343



16.2643, 15.9335, 19.9399



23.5956, 11.1694, 46.0402



2.0134, 0.9552, 3.8325

Previews

White Background



This preview shows how the XYZ color 41.4497, 66.4427, 24.8275 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 41.4497, 66.4427, 24.8275 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

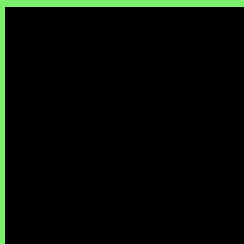
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

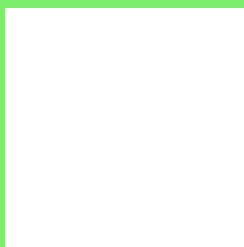
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 41.4497, 66.4427, 24.8275

Background



This preview shows how black text looks on a background with the XYZ color 41.4497, 66.4427, 24.8275.



This preview shows how white text looks on a background with the XYZ color 41.4497, 66.4427,

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

41.4497, 66.4427, 24.8275

Protanopia

59.7754, 65.4995, 21.5488

Deuteranopia

66.2568, 65.0596, 29.4877



Tritanopia

55.2603, 66.2061, 93.8709

Trichromacy



Original Color

41.4497, 66.4427, 24.8275



Protanomaly

50.5528, 64.1615, 22.5520



Deuteranomaly

53.4838, 63.2468, 27.4781



Tritanomaly

48.4602, 65.4643, 60.5338

Monochromacy



Original Color

41.4497, 66.4427, 24.8275



Achromatopsia

48.3692, 50.8881, 55.4172



Achromatomaly

44.1750, 55.1630, 41.5770

CSS Examples

Text

The CSS property to change the color of the text to XYZ 41.4497, 66.4427, 24.8275 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(123, 238, 108)` looks like.

```
.text, #text, p{  
    color:rgb(123, 238, 108)  
}
```

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(123, 238, 108) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(123, 238, 108) }
```

Border

The CSS property to change the border of an element to XYZ 41.4497, 66.4427, 24.8275 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(123, 238, 108) }
```


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

```
.border{ border-color:rgb(123, 238, 108) }
```

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

Here you see how a box with a 4 pixel rgb(123, 238, 108) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(123, 238, 108); -webkit-box-  
shadow:4px 4px 4px 4px rgb(123, 238, 108);  
box-shadow:4px 4px 4px 4px rgb(123, 238,  
108) }
```

Background

The CSS property to change the background color of an element to XYZ 41.4497, 66.4427, 24.8275 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(123, 238, 108) }
```

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

```
.background{ background-color: rgb(123,  
238, 108) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor