

Converting Colors

XYZ(41.0865, 73.9764, 25.2495)

Have a look what the booklet for
XYZ(41.0865, 73.9764, 25.2495)
contains.

XYZ(41.0827, 73.9753, 25.2101)	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(41.0827, 73.9753,
25.2101)**

Conversions

Conversions Part 1

Format	Color
Hex	4AFF68
RGB	74, 255, 104
RGB Percent	29%, 100%, 41%
CMY	0.7098, 0.0000, 0.5921
CMYK	0.71, 0.00, 0.59, 0.00
HSL	130°, 100%, 65%
HSV	130°, 71%, 100%
XYZ	41.0827, 73.9753, 25.2101
YIQ	183.6670, -59.4050, -85.3330

Conversions

Conversions Part 2

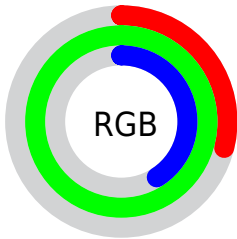
Format	Color
RYB	74, 229, 255
Decimal	4915048
CIELab	88.91, -74.16, 58.07
CIELCh	89, 94.188, 141.936
Yxy	73.9753, 0.2929, 0.5274
Android (android.graphics.Color)	4283105128 (0xFF4AFF68)
YUV	183.6670, -39.2758, -96.1780
Hunter-Lab	86.0089, -65.2539, 42.8277

Details

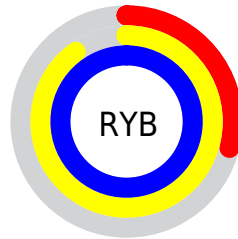
The XYZ color **41.0827, 73.9753, 25.2101** is a dark color, and the websafe version is hex **33FF66**. The color can be described as middle washed spring green. A complement of this color would be **57.2790, 31.5938, 74.3110**, and the grayscale version is **45.6095, 47.9848, 52.2554**.

A 20% lighter version of the original color is **53.6951, 80.0429, 45.4207**, and **20.4998, 40.1459, 9.4648** is the 20% darker color. If you saturate the color by 10%, you get **38.5537, 72.7810, 20.1455**, and if you desaturate by 10%, it is **44.6799, 75.6887, 31.7496**.

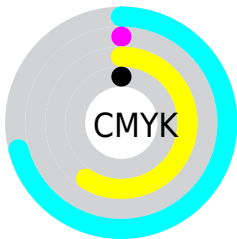
Distribution



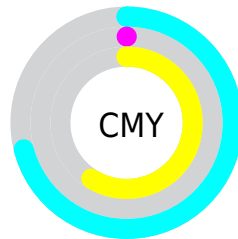
- Red (29%)
- Green (100%)
- Blue (41%)



- Red (29%)
- Yellow (90%)
- Blue (100%)



- Cyan (71%)
- Magenta (0%)
- Yellow (59%)
- Black (0%)





- Cyan (71%)
- Magenta (0%)
- Yellow (59%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 41.0827, 73.9753, 25.2101 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 41.0827, 73.9753, 25.2101 by changing the saturation by 10% instead.

 41.0827, 73.9753,
25.2101


 41.0827, 73.9753,
25.2101


341.7228,
474.3881, 292.3637

 28.5717, 54.7738,
16.0132


 76.0833, 124.8608,
52.9662


 18.8997, 39.2207,
9.3790


 99.3036, 157.3136,
72.3625

 11.7014, 26.9314,
4.8891


 126.8244,
194.9523, 95.9957

 6.6114, 17.5217,
2.1247

 159.0110,
238.1613, 124.2843

 3.2645, 10.6072,
0.6304

196.2288,
287.3250, 157.6468

 1.2951, 5.8033,
0.0000

238.8431,

 0.1796, 2.7259,

342.8278, 196.5019

0.0000

287.2194,
405.0540, 241.2680

0.0000, 0.9904,
0.0000

0.0000, 0.0000,
0.0000

41.0827, 73.9753,
25.2101

41.0827, 73.9753,
25.2101

38.5537, 72.7810,
20.1455

44.6799, 75.6887,
31.7496


36.9681, 72.0441,
16.4374


49.4488, 77.9725,
39.8631


36.1828, 71.6891,
14.1463


55.4815, 80.8722,
49.6453

62.8605, 84.4285,
61.1822

 71.6613, 88.6786,
74.5540

 81.9536, 93.6569,
89.8360

 93.8027, 99.3956,
107.0991

 95.0500, 100.0000,
108.9000

Harmonies

Analogous

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



55.1423, 73.9753, 11.1294



41.0827, 73.9753, 25.2101



35.1651, 73.9753, 64.1543

Triad

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



41.0827, 73.9753, 25.2101



64.3267, 73.9753, 280.3984



119.4464, 73.9753, 42.0918

Complementary

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



41.0827, 73.9753, 25.2101



57.2790, 31.5938, 74.3110

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.



123.3996, 73.9753, 99.5172



41.0827, 73.9753, 25.2101



88.0346, 73.9753, 262.7162

Square

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



41.0827, 73.9753, 25.2101



46.5534, 73.9753, 225.7782



110.8851, 73.9753, 185.6937



101.0262, 73.9753, 16.5446

Rectangle

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



41.0827, 73.9753, 25.2101



35.4910, 73.9753, 109.4739



110.8851, 73.9753, 185.6937



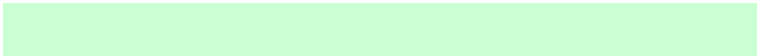
122.6510, 73.9753, 57.2246

Sweetspot

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



41.0830, 73.9755, 25.2113



71.6422, 88.6694, 74.5254



68.9435, 88.4839, 19.9241



14.7831, 18.7125, 15.1212



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.



41.0830, 73.9755, 25.2113



37.8107, 72.4337, 18.4986



48.0598, 76.7662, 61.9506



17.8944, 20.2173, 19.7468



18.9421, 37.4734, 7.5802



1.8773, 3.6618, 0.9115

Inverse Universe

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



57.2790, 31.5938, 74.3110



54.7366, 27.7804, 69.5436



48.2294, 27.9739, 26.6565



18.6557, 18.2456, 22.0702



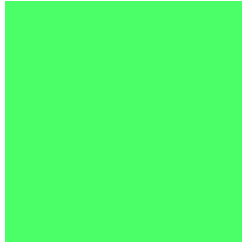
27.8544, 13.6311, 34.2134



2.7449, 1.3403, 3.5042

Previews

White Background



This preview shows how the XYZ color 41.0827, 73.9753, 25.2101 looks on a white background.

Color Contrast Check

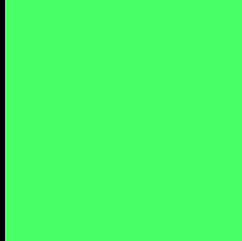
Large Text (above 18pt) WCAG AA × Fail

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 41.0827, 73.9753, 25.2101 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

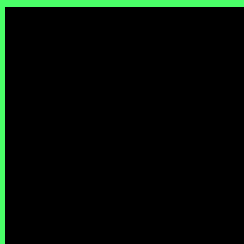
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

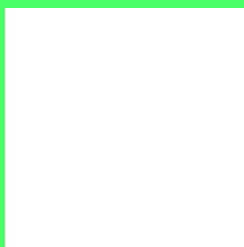
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 41.0827, 73.9753, 25.2101

Background



This preview shows how black text looks on a background with the XYZ color 41.0827, 73.9753, 25.2101.

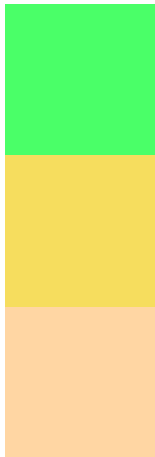


This preview shows how white text looks on a background with the XYZ color 41.0827, 73.9753,

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

41.0827, 73.9753, 25.2101

Protanopia

65.8829, 72.1139, 21.0366

Deuteranopia

71.8974, 71.9975, 44.7578



Tritanopia

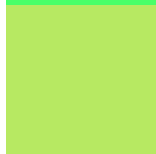
58.4875, 73.0226, 105.6199

Trichromacy



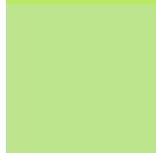
Original Color

41.0827, 73.9753, 25.2101



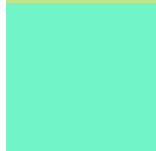
Protanomaly

50.8720, 69.2269, 22.2362



Deuteranomaly

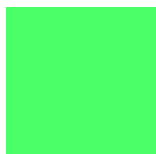
53.8881, 68.8104, 36.0327



Tritanomaly

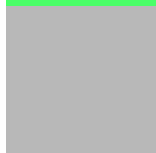
49.5861, 72.3822, 66.0013

Monochromacy



Original Color

41.0827, 73.9753, 25.2101



Achromatopsia

45.5594, 47.9320, 52.1980



Achromatomaly

40.4646, 54.3890, 39.3758

CSS Examples

Text

The CSS property to change the color of the text to XYZ 41.0827, 73.9753, 25.2101 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(74, 255, 104)` looks like.

```
.text, #text, p{  
    color:rgb(74, 255, 104)  
}
```

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(74, 255, 104) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(74, 255, 104) }
```

Border

The CSS property to change the border of an element to XYZ 41.0827, 73.9753, 25.2101 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(74, 255, 104) }
```


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

```
.border{ border-color:rgb(74, 255, 104) }
```

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

Here you see how a box with a 4 pixel `rgb(74, 255, 104)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(74, 255, 104); -webkit-box-shadow:4px 4px 4px 4px rgb(74, 255, 104); box-shadow:4px 4px 4px 4px rgb(74, 255, 104) }
```

Background

The CSS property to change the background color of an element to XYZ 41.0827, 73.9753, 25.2101 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(74, 255, 104) }
```

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

```
.background{ background-color: rgb(74, 255,  
104) }
```

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