

Converting Colors

XYZ(41.5121, 74.4286, 14.7527)

Have a look what the booklet for
XYZ(41.5121, 74.4286, 14.7527)
contains.

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Color

**XYZ(41.5087, 74.4266,
14.7628)**

Conversions

Conversions Part 1

Format	Color
Hex	64FF2E
RGB	100, 255, 46
RGB Percent	39%, 100%, 18%
CMY	0.6078, 0.0000, 0.8196
CMYK	0.61, 0.00, 0.82, 0.00
HSL	104°, 100%, 59%
HSV	104°, 82%, 100%
XYZ	41.5087, 74.4266, 14.7628
YIQ	184.8290, -25.2910, -97.8590

Conversions

Conversions Part 2

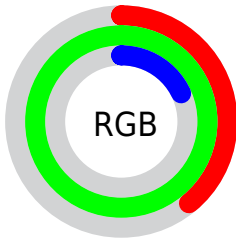
Format	Color
RYB	46, 255, 201
Decimal	6618926
CIELab	89.12, -73.77, 78.50
CIElCh	89, 107.726, 133.221
Yxy	74.4266, 0.3176, 0.5695
Android (android.graphics.Color)	4284809006 (0xFF64FF2E)
YUV	184.8290, -68.4427, -74.3950
Hunter-Lab	86.2709, -65.0898, 50.2438

Details

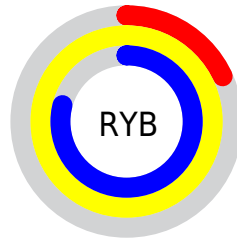
The XYZ color **41.5087, 74.4266, 14.7628** is a dark color, and the websafe version is hex **66FF33**. The color can be described as dark washed chartreuse. A complement of this color would be **43.1177, 21.5939, 96.5032**, and the grayscale version is **46.3983, 48.8146, 53.1591**.

A 20% lighter version of the original color is **54.3551, 80.7747, 27.7652**, and **19.9663, 39.9325, 6.6554** is the 20% darker color. If you saturate the color by 10%, you get **39.2917, 73.3256, 12.7683**, and if you desaturate by 10%, it is **44.5096, 75.8973, 18.3513**.

Distribution



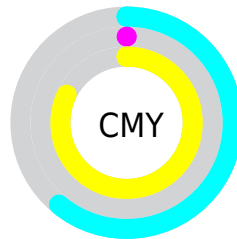
- Red (39%)
- Green (100%)
- Blue (18%)



- Red (18%)
- Yellow (100%)
- Blue (79%)



- Cyan (61%)
- Magenta (0%)
- Yellow (82%)
- Black (0%)




- Cyan (61%)
- Magenta (0%)
- Yellow (82%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 41.5087, 74.4266, 14.7628 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 41.5087, 74.4266, 14.7628 by changing the saturation by 10% instead.


 41.5087, 74.4266,
14.7628

 41.5087, 74.4266,
14.7628


343.4686,
475.9444, 233.5171


 28.9062, 55.1433,
8.5083


 76.7254, 125.5004,
35.1729

 19.1538, 39.5164,
4.3295


 100.0702,
158.0596, 50.1656


 11.8861, 27.1617,
1.8078


 127.7266,
195.8129, 68.9082

 6.7378, 17.6947,
0.4331

 160.0599,
239.1446, 91.8191

 3.3436, 10.7310,
0.0000

 197.4353,
288.4393, 119.3169

 1.3379, 5.8863,
0.0000

240.2184,

 0.2113, 2.7761,

344.0812, 151.8201

0.0000

288.7744,
406.4548, 189.7473

■ 0.0000, 1.0160,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 41.5087, 74.4266,
14.7628

■ 41.5087, 74.4266,
14.7628

■ 39.2917, 73.3256,
12.7683

■ 44.5096, 75.8973,
18.3513

■ 37.9984, 72.6739,
12.0248

■ 48.3705, 77.7716,
23.7740

■ 53.1581, 80.0796,
31.2340

■ 58.9316, 82.8478,
40.9067

■ 65.7451, 86.1008,
52.9489

■ 73.6486, 89.8613,
67.5028

■ 82.6886, 94.1503,
84.6996

■ 92.9088, 98.9878,
104.6612

■ 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.



59.8170, 74.4266, 6.0641



41.5087, 74.4266, 14.7628



32.5956, 74.4266, 46.0726

Triad

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



41.5087, 74.4266, 14.7628



57.1520, 74.4266, 313.0402



132.1014, 74.4266, 52.2790

Complementary

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



41.5087, 74.4266, 14.7628



43.1177, 21.5939, 96.5032

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.



130.8758, 74.4266, 130.3173



41.5087, 74.4266, 14.7628



82.9183, 74.4266, 318.7914

Square

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



41.5087, 74.4266, 14.7628



39.9755, 74.4266, 225.7320



111.2225, 74.4266, 238.5246



114.2443, 74.4266, 16.8966

Rectangle

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



41.5087, 74.4266, 14.7628



31.3772, 74.4266, 89.4312



111.2225, 74.4266, 238.5246



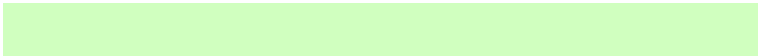
134.0176, 74.4266, 73.1869

Sweetspot

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



41.5089, 74.4267, 14.7639



71.1249, 88.6618, 62.7993



62.2189, 62.4284, 11.3565



14.6278, 18.6937, 12.3436



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.



41.5089, 74.4267, 14.7639



38.2891, 72.8206, 12.1842



38.9426, 72.9232, 22.7961



18.2114, 20.3949, 19.1211



19.9717, 38.0339, 6.2887



2.0411, 3.7530, 0.6168

Inverse Universe

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



43.1177, 21.5939, 96.5032



39.4512, 18.3349, 96.0674



53.3867, 27.6826, 61.0724



18.3077, 18.0504, 22.7691



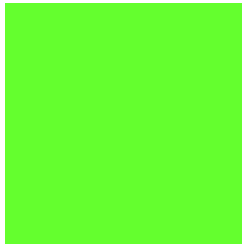
20.5600, 9.5096, 50.1865



2.1036, 0.9784, 4.8912

Previews

White Background



This preview shows how the XYZ color 41.5087, 74.4266, 14.7628 looks on a white background.

Color Contrast Check

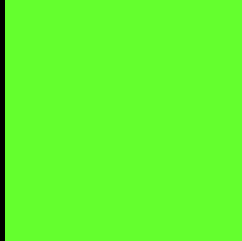
Large Text (above 18pt) WCAG AA × Fail

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 41.5087, 74.4266, 14.7628 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

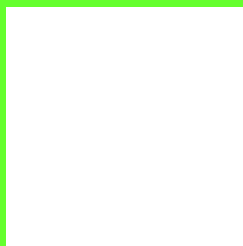
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 41.5087, 74.4266, 14.7628

Background



This preview shows how black text looks on a background with the XYZ color 41.5087, 74.4266, 14.7628.

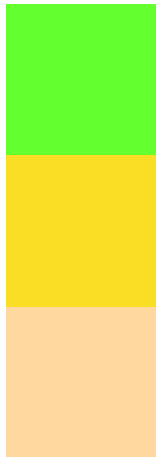


This preview shows how white text looks on a background with the XYZ color 41.5087, 74.4266, 14.7628.

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

41.5087, 74.4266, 14.7628

Protanopia

65.8795, 72.7001, 12.3106

Deuteranopia

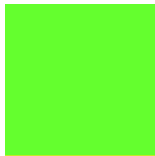
72.1410, 72.9098, 43.5285



Tritanopia

60.1882, 73.8994, 105.6995

Trichromacy



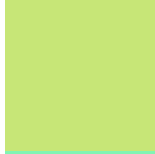
Original Color

41.5087, 74.4266, 14.7628



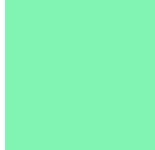
Protanomaly

52.3115, 70.6009, 12.8777



Deuteranomaly

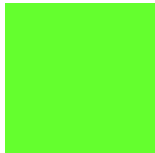
55.1798, 70.0677, 28.0689



Tritanomaly

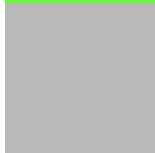
49.5406, 72.6232, 54.0544

Monochromacy



Original Color

41.5087, 74.4266, 14.7628



Achromatopsia

46.1135, 48.5150, 52.8328



Achromatomaly

40.6761, 54.6844, 30.9656

CSS Examples

Text

The CSS property to change the color of the text to XYZ 41.5087, 74.4266, 14.7628 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(100, 255, 46)` looks like.

```
.text, #text, p{  
    color:rgb(100, 255, 46)  
}
```

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(100, 255, 46) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(100, 255, 46) }
```

Border

The CSS property to change the border of an element to XYZ 41.5087, 74.4266, 14.7628 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(100, 255, 46) }
```


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

```
.border{ border-color:rgb(100, 255, 46) }
```

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

Here you see how a box with a 4 pixel `rgb(100, 255, 46)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(100, 255, 46); -webkit-box-  
shadow:4px 4px 4px 4px rgb(100, 255, 46);  
box-shadow:4px 4px 4px 4px rgb(100, 255,  
46) }
```

Background

The CSS property to change the background color of an element to XYZ 41.5087, 74.4266, 14.7628 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(100, 255, 46) }
```

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

```
.background{ background-color: rgb(100,  
255, 46) }
```

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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