

Converting Colors

XYZ(42.6223, 75.0077, 14.4977)

Have a look what the booklet for
XYZ(42.6223, 75.0077, 14.4977)
contains.

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Color

**XYZ(42.6265, 75.0094,
14.5171)**

Conversions

Conversions Part 1

Format	Color
Hex	6EFF2B
RGB	110, 255, 43
RGB Percent	43%, 100%, 17%
CMY	0.5686, 0.0000, 0.8313
CMYK	0.57, 0.00, 0.83, 0.00
HSL	101°, 100%, 58%
HSV	101°, 83%, 100%
XYZ	42.6265, 75.0094, 14.5171
YIQ	187.4770, -18.3680, -96.6720

Conversions

Conversions Part 2

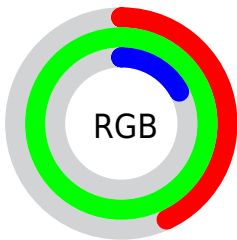
Format	Color
RYB	43, 255, 188
Decimal	7274283
CIELab	89.40, -71.58, 79.55
CIELCh	89, 107.009, 131.981
Yxy	75.0094, 0.3226, 0.5676
Android (android.graphics.Color)	4285464363 (0xFF6EFF2B)
YUV	187.4770, -71.2272, -67.9473
Hunter-Lab	86.6080, -63.7102, 50.6875

Details

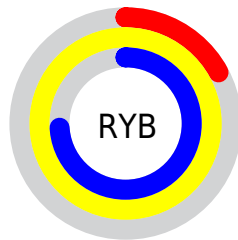
The XYZ color **42.6265, 75.0094, 14.5171** is a dark color, and the websafe version is hex **66FF33**. The color can be described as dark washed chartreuse. A complement of this color would be **39.6561, 19.6414, 96.3088**, and the grayscale version is **47.9024, 50.3971, 54.8824**.

A 20% lighter version of the original color is **55.9759, 81.6228, 27.2725**, and **20.2971, 40.1031, 6.6709** is the 20% darker color. If you saturate the color by 10%, you get **40.3349, 73.8663, 12.6833**, and if you desaturate by 10%, it is **45.6375, 76.4897, 17.9097**.

Distribution



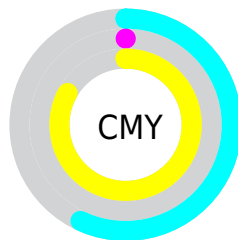
- Red (43%)
- Green (100%)
- Blue (17%)



- Red (17%)
- Yellow (100%)
- Blue (74%)



- Cyan (57%)
- Magenta (0%)
- Yellow (83%)
- Black (0%)





- Cyan (57%)
- Magenta (0%)
- Yellow (83%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 42.6265, 75.0094, 14.5171 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 42.6265, 75.0094, 14.5171 by changing the saturation by 10% instead.


 42.6265, 75.0094,
14.5171


 42.6265, 75.0094,
14.5171


348.0211,
477.9499, 231.9636

 29.7854, 55.6206,
8.3383


 78.4062, 126.3257,
34.7340


 19.8230, 39.8988,
4.2213


 102.0755,
159.0219, 49.6092


 12.3740, 27.4597,
1.7475

 130.0849,
196.9228, 68.2204

 7.0729, 17.9187,
0.3930

 162.7997,
240.4126, 90.9860

 3.5545, 10.8917,
0.0000

 200.5855,
289.8759, 118.3246

 1.4533, 5.9940,
0.0000

243.8073,

 0.2937, 2.8415,

345.6969, 150.6547

0.0000

292.8308,
408.2601, 188.3949

■ 0.0000, 1.0495,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 42.6265, 75.0094,
14.5171

■ 42.6265, 75.0094,
14.5171

■ 40.3349, 73.8663,
12.6833

■ 45.6375, 76.4897,
17.9097

■ 39.1175, 73.2509,
12.0771

■ 49.4376, 78.3376,
23.1075

■ 54.0873, 80.5798,
30.3171

■ 59.6402, 83.2402,
39.7164

■ 66.1452, 86.3404,
51.4636

■ 73.6474, 89.9005,
65.7024

■ 82.1887, 93.9393,
82.5649

■ 91.8086, 98.4745,
102.1738

■ 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.



61.3389, 75.0094, 6.2237



42.6265, 75.0094, 14.5171



33.3156, 75.0094, 44.6777

Triad

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



42.6265, 75.0094, 14.5171



56.8183, 75.0094, 310.0549



132.8036, 75.0094, 55.2329

Complementary

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



42.6265, 75.0094, 14.5171



39.6561, 19.6414, 96.3088

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.



130.7353, 75.0094, 134.9266



42.6265, 75.0094, 14.5171



82.2722, 75.0094, 319.7255

Square

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



42.6265, 75.0094, 14.5171



40.0186, 75.0094, 221.1860



110.5805, 75.0094, 242.7279



115.6846, 75.0094, 18.1861

Rectangle

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



42.6265, 75.0094, 14.5171



31.8674, 75.0094, 86.7629



110.5805, 75.0094, 242.7279



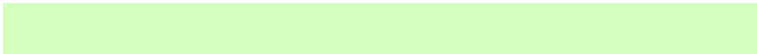
134.4261, 75.0094, 76.7852

Sweetspot

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



42.6267, 75.0095, 14.5183



72.1688, 89.1999, 62.8482



59.6318, 57.3456, 10.2125



14.8725, 18.8199, 12.3551



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.



42.6267, 75.0095, 14.5183



39.1175, 73.2509, 12.0771



38.2750, 72.6412, 19.9618



18.3117, 20.4466, 19.1258



20.5753, 38.3450, 6.3169



2.1108, 3.7889, 0.6201

Inverse Universe

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



39.6561, 19.6414, 96.3088



35.5992, 16.2669, 95.8713



54.5165, 27.9535, 67.5798



18.2016, 17.9957, 22.7641



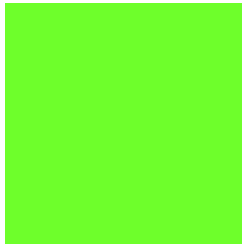
18.7629, 8.5831, 50.1024



1.9401, 0.8941, 4.8836

Previews

White Background



This preview shows how the XYZ color 42.6265, 75.0094, 14.5171 looks on a white background.

Color Contrast Check

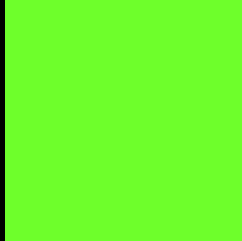
Large Text (above 18pt) WCAG AA × Fail

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 42.6265, 75.0094, 14.5171 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

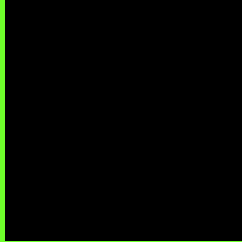
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 42.6265, 75.0094, 14.5171

Background



This preview shows how black text looks on a background with the XYZ color 42.6265, 75.0094, 14.5171.

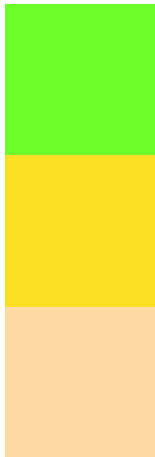


This preview shows how white text looks on a background with the XYZ color 42.6265, 75.0094,

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

42.6265, 75.0094, 14.5171

Protanopia

66.4601, 73.4001, 12.1782

Deuteranopia

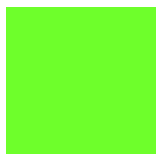
72.6637, 73.5301, 45.0133



Tritanopia

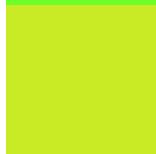
61.4711, 74.5607, 105.7595

Trichromacy



Original Color

42.6265, 75.0094, 14.5171



Protanomaly

53.8617, 71.8296, 12.7760



Deuteranomaly

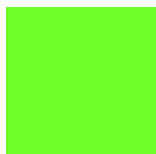
56.2628, 71.0403, 28.1995



Tritanomaly

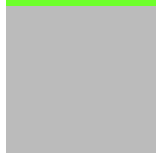
50.7031, 73.2341, 53.5827

Monochromacy



Original Color

42.6265, 75.0094, 14.5171



Achromatopsia

47.2335, 49.6933, 54.1160



Achromatomaly

42.2147, 56.2072, 31.5458

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.6265, 75.0094, 14.5171 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(110, 255, 43)` looks like.

```
.text, #text, p{  
    color:rgb(110, 255, 43)  
}
```

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(110, 255, 43) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(110, 255, 43) }
```

Border

The CSS property to change the border of an element to XYZ 42.6265, 75.0094, 14.5171 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(110, 255, 43) }
```


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

```
.border{ border-color:rgb(110, 255, 43) }
```

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

Here you see how a box with a 4 pixel `rgb(110, 255, 43)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(110, 255, 43); -webkit-box-  
shadow:4px 4px 4px 4px rgb(110, 255, 43);  
box-shadow:4px 4px 4px 4px rgb(110, 255,  
43) }
```

Background

The CSS property to change the background color of an element to XYZ 42.6265, 75.0094, 14.5171 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(110, 255, 43) }
```

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

```
.background{ background-color: rgb(110,  
255, 43) }
```

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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