

Converting Colors

XYZ(43.2157, 74.9166, 32.4640)

Have a look what the booklet for
XYZ(43.2157, 74.9166, 32.4640)
contains.

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Color

**XYZ(43.2236, 74.9175,
32.6045)**

Conversions

Conversions Part 1

Format	Color
Hex	53FF80
RGB	83, 255, 128
RGB Percent	33%, 100%, 50%
CMY	0.6745, 0.0000, 0.4980
CMYK	0.67, 0.00, 0.50, 0.00
HSL	136°, 100%, 66%
HSV	136°, 67%, 100%
XYZ	43.2236, 74.9175, 32.6045
YIQ	189.0940, -61.7450, -75.9610

Conversions

Conversions Part 2

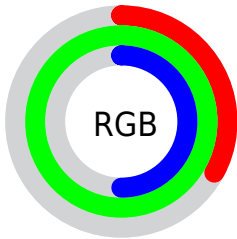
Format	Color
RYB	83, 219, 255
Decimal	5504896
CIELab	89.35, -69.61, 47.84
CIELCh	89, 84.467, 145.501
Yxy	74.9175, 0.2867, 0.4970
Android (android.graphics.Color)	4283694976 (0xFF53FF80)
YUV	189.0940, -30.1193, -93.0444
Hunter-Lab	86.5549, -62.3321, 38.2544

Details

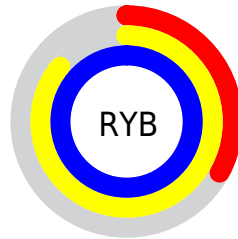
The XYZ color **43.2236, 74.9175, 32.6045** is a light color, and the websafe version is hex **66FF66**. The color can be described as light muted spring green. A complement of this color would be **55.9662, 32.1000, 64.2184**, and the grayscale version is **48.6161, 51.1479, 55.7001**.

A 20% lighter version of the original color is **56.8849, 81.4229, 57.5178**, and **21.2363, 40.4405, 13.3431** is the 20% darker color. If you saturate the color by 10%, you get **40.2459, 73.5126, 26.5857**, and if you desaturate by 10%, it is **47.2589, 76.8411, 39.8756**.

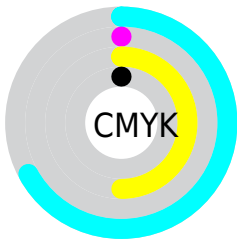
Distribution



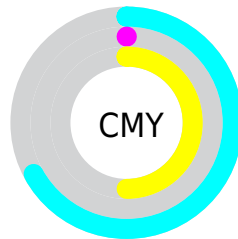
- Red (33%)
- Green (100%)
- Blue (50%)



- Red (33%)
- Yellow (86%)
- Blue (100%)



- Cyan (67%)
- Magenta (0%)
- Yellow (50%)
- Black (0%)





- Cyan (67%)
- Magenta (0%)
- Yellow (50%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 43.2236, 74.9175, 32.6045 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 43.2236, 74.9175, 32.6045 by changing the saturation by 10% instead.


 43.2236, 74.9175,
32.6045

 43.2236, 74.9175,
32.6045


350.4365,
477.6340, 328.4410


 30.2559, 55.5453,
21.5550


 79.3018, 126.1956,
64.8664


 20.1819, 39.8385,
13.3351


 103.1430,
158.8702, 86.9160

 12.6364, 27.4126,
7.5263


 131.3393,
196.7479, 113.4693

 7.2539, 17.8834,
3.7100

 164.2562,
240.2128, 144.9448

 3.6691, 10.8663,
1.4676

202.2590,
289.6495, 181.7613

 1.5167, 5.9770,
0.1936

245.7131,

 0.3372, 2.8311,

345.4423, 224.3371

0.0000

294.9838,
407.9757, 273.0908

■ 0.0000, 1.0442,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 43.2236, 74.9175,
32.6045

■ 43.2236, 74.9175,
32.6045

■ 40.2459, 73.5126,
26.5857

■ 47.2589, 76.8411,
39.8756

■ 38.2160, 72.5712,
21.7439

■ 52.4437, 79.3293,
48.4611

■ 36.9955, 72.0236,
18.0010

■ 58.8610, 82.4236,
58.4233

■ 36.7647, 71.9219,
17.2105

■ 66.5855, 86.1615,
69.8193

■ 75.6859, 90.5772,
82.7031

■ 86.2261, 95.7026,
97.1258

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.



55.4334, 74.9175, 15.9398



43.2236, 74.9175, 32.6045



38.4862, 74.9175, 72.9679

Triad

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



43.2236, 74.9175, 32.6045



68.1353, 74.9175, 255.7356



113.4280, 74.9175, 41.7337

Complementary

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



43.2236, 74.9175, 32.6045



55.9662, 32.1000, 64.2184

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.



118.6181, 74.9175, 90.8282



43.2236, 74.9175, 32.6045



89.7201, 74.9175, 233.4215

Square

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



43.2236, 74.9175, 32.6045



50.9894, 74.9175, 215.8884



109.2297, 74.9175, 164.4914



96.1662, 74.9175, 19.1385

Rectangle

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



43.2236, 74.9175, 32.6045



39.3706, 74.9175, 115.9214



109.2297, 74.9175, 164.4914



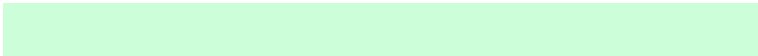
116.7688, 74.9175, 54.7827

Sweetspot

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



43.2240, 74.9177, 32.6057



73.2310, 89.3850, 79.2735



64.4730, 86.1417, 21.4131



15.1182, 18.8621, 16.1832



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.



43.2240, 74.9177, 32.6057



39.4230, 73.1285, 24.7359



51.2113, 78.1126, 74.6659



17.9666, 20.2462, 20.1273



19.2619, 37.6014, 9.2645



1.9180, 3.6781, 1.1261

Inverse Universe

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



55.9662, 32.1000, 64.2184



52.8532, 27.6260, 57.7796



48.0995, 28.9533, 22.7928



18.5778, 18.2144, 21.6598



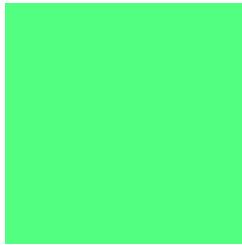
26.3723, 13.0382, 26.4087



2.6126, 1.2874, 2.8076

Previews

White Background



This preview shows how the XYZ color 43.2236, 74.9175, 32.6045 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 43.2236, 74.9175, 32.6045 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

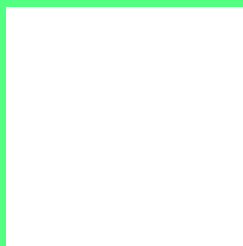
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 43.2236, 74.9175, 32.6045

Background



This preview shows how black text looks on a background with the XYZ color 43.2236, 74.9175, 32.6045.

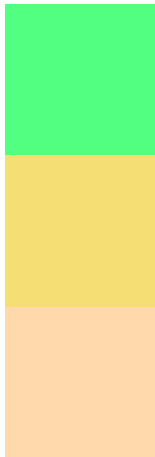


This preview shows how white text looks on a background with the XYZ color 43.2236, 74.9175,

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

43.2236, 74.9175, 32.6045

Protanopia

67.2548, 73.4722, 27.4665

Deuteranopia

73.1466, 73.3120, 48.8235



Tritanopia

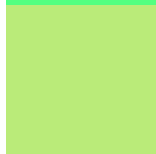
59.9522, 74.2087, 105.7716

Trichromacy



Original Color

43.2236, 74.9175, 32.6045



Protanomaly

53.4092, 71.2362, 29.0242



Deuteranomaly

55.9514, 70.1667, 41.6049



Tritanomaly

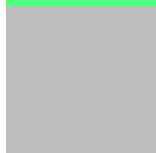
51.7445, 73.3698, 71.7562

Monochromacy



Original Color

43.2236, 74.9175, 32.6045



Achromatopsia

48.3692, 50.8881, 55.4172



Achromatomaly

43.3470, 56.8626, 45.2502

CSS Examples

Text

The CSS property to change the color of the text to XYZ 43.2236, 74.9175, 32.6045 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(83, 255, 128)` looks like.

```
.text, #text, p{  
    color:rgb(83, 255, 128)  
}
```

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(83, 255, 128) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(83, 255, 128) }
```

Border

The CSS property to change the border of an element to XYZ 43.2236, 74.9175, 32.6045 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(83, 255, 128) }
```


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

```
.border{ border-color:rgb(83, 255, 128) }
```

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

Here you see how a box with a 4 pixel `rgb(83, 255, 128)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(83, 255, 128); -webkit-box-  
shadow:4px 4px 4px 4px rgb(83, 255, 128);  
box-shadow:4px 4px 4px 4px rgb(83, 255,  
128) }
```

Background

The CSS property to change the background color of an element to XYZ 43.2236, 74.9175, 32.6045 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(83, 255, 128) }
```

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

```
.background{ background-color: rgb(83, 255,  
128) }
```

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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