

Converting Colors

XYZ(50.3122, 73.4273, 27.2676)

Have a look what the booklet for
XYZ(50.3122, 73.4273, 27.2676)
contains.

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Color

**XYZ(50.4356, 73.6802,
27.1862)**

Conversions

Conversions Part 1

Format	Color
Hex	A3F471
RGB	163, 244, 113
RGB Percent	64%, 96%, 44%
CMY	0.3608, 0.0431, 0.5568
CMYK	0.33, 0.00, 0.54, 0.04
HSL	97°, 86%, 70%
HSV	97°, 54%, 96%
XYZ	50.4356, 73.6802, 27.1862
YIQ	204.8470, -6.2250, -57.9130

Conversions

Conversions Part 2

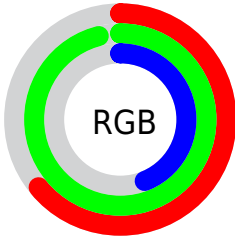
Format	Color
RYB	113, 244, 194
Decimal	10744945
CIELab	88.77, -46.80, 54.70
CIELCh	89, 71.992, 130.551
Yxy	73.6802, 0.3333, 0.4870
Android (android.graphics.Color)	4288935025 (0xFFA3F471)
YUV	204.8470, -45.2806, -36.6998
Hunter-Lab	85.8372, -45.3333, 41.3078

Details

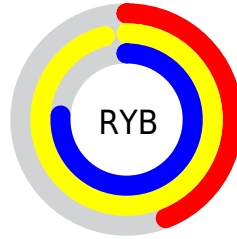
The XYZ color **50.4356, 73.6802, 27.1862** is a light color, and the websafe version is hex **99FF66**. A complement of this color would be **44.4858, 29.8135, 89.0020**, and the grayscale version is **58.2144, 61.2461, 66.6970**.

A 20% lighter version of the original color is **72.6467, 89.7193, 50.5345**, and **24.5036, 38.9206, 10.3586** is the 20% darker color. If you saturate the color by 10%, you get **46.3356, 71.7068, 20.7627**, and if you desaturate by 10%, it is **55.2770, 75.9977, 35.5748**.

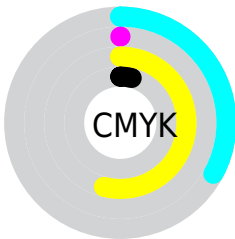
Distribution



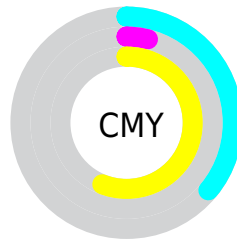
- Red (64%)
- Green (96%)
- Blue (44%)



- Red (44%)
- Yellow (96%)
- Blue (76%)



- Cyan (33%)
- Magenta (0%)
- Yellow (54%)
- Black (4%)





- Cyan (36%)
- Magenta (4%)
- Yellow (56%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 50.4356, 73.6802, 27.1862 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 50.4356, 73.6802, 27.1862 by changing the saturation by 10% instead.


 50.4356, 73.6802,
27.1862


 50.4356, 73.6802,
27.1862


378.7909,
473.3689, 302.3462


 35.9788, 54.5323,
17.4794


 90.0079, 124.4424,
56.1899

 24.5879, 39.0274,
10.4113


 115.8542,
156.8255, 76.3239

 15.8974, 26.7811,
5.5634


 146.2277,
194.3891, 100.7707

 9.5420, 17.4089,
2.5170

181.4937,
237.5176, 129.9489

 5.1563, 10.5264,
0.8491

222.0177,
286.5955, 164.2770

 2.3749, 5.7494,
0.0000

268.1650,

 0.8326, 2.6933,

342.0070, 204.1736

0.0000

320.3009,
404.1367, 250.0571

0.0000, 0.9738,
0.0000

0.0000, 0.0000,
0.0000

50.4356, 73.6802,
27.1862

50.4356, 73.6802,
27.1862

46.3356, 71.7068,
20.7627

55.2770, 75.9977,
35.5748

42.9285, 70.0492,
16.1390


60.8938, 78.6668,
46.0662


40.1673, 68.6894,
13.1312


67.3238, 81.7067,
58.7914


37.9946, 67.6029,
11.5132

74.6009, 85.1319,
73.8693

 36.8791, 67.0382,
10.9959

 82.7565, 88.9565,
91.4105

 91.1030, 92.9065,
107.7388

 91.6422, 93.1845,
107.7641

Harmonies

Analogous

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



64.0753, 73.6802, 18.0491



50.4356, 73.6802, 27.1862



42.9594, 73.6802, 52.3384

Triad

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



50.4356, 73.6802, 27.1862



59.4606, 73.6802, 208.9164



108.3860, 73.6802, 63.9120

Complementary

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



50.4356, 73.6802, 27.1862



44.4858, 29.8135, 89.0020

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.



106.5966, 73.6802, 116.5881



50.4356, 73.6802, 27.1862



76.3444, 73.6802, 216.2915

Square

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



50.4356, 73.6802, 27.1862



47.5409, 73.6802, 160.1366



94.1393, 73.6802, 177.4037



98.6857, 73.6802, 32.6281

Rectangle

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



50.4356, 73.6802, 27.1862



41.5955, 73.6802, 81.1514



94.1393, 73.6802, 177.4037



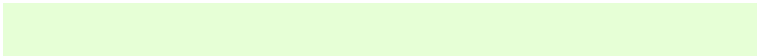
109.1433, 73.6802, 79.3061

Sweetspot

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



50.4374, 73.6834, 27.1878



80.4829, 93.1704, 77.4941



59.5355, 58.9156, 23.8578



16.8646, 19.7720, 15.8320



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.



50.4374, 73.6834, 27.1878



51.0257, 79.1676, 22.6710



43.0780, 69.7815, 31.7200



16.8800, 18.7802, 17.5328



20.1923, 36.5223, 5.9853



1.8854, 3.2670, 0.5312

Inverse Universe

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



44.4858, 29.8135, 89.0020



43.7795, 26.1397, 97.3458



57.3196, 36.6867, 77.9853



16.5653, 16.4341, 20.8416



15.9631, 7.2036, 47.0871



1.5173, 0.6920, 4.1438

Previews

White Background



This preview shows how the XYZ color 50.4356, 73.6802, 27.1862 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 50.4356, 73.6802, 27.1862 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

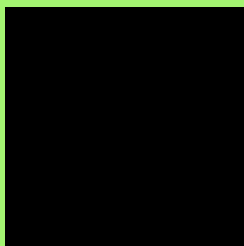
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 50.4356, 73.6802, 27.1862

Background



This preview shows how black text looks on a background with the XYZ color 50.4356, 73.6802, 27.1862.



This preview shows how white text looks on a background with the XYZ color 50.4356, 73.6802,

27.1862.

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

50.4356, 73.6802, 27.1862

Protanopia

66.7288, 72.8760, 24.1852

Deuteranopia

72.4234, 72.6141, 46.2752



Tritanopia

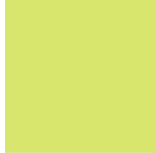
65.0073, 73.5613, 99.5794

Trichromacy



Original Color

50.4356, 73.6802, 27.1862



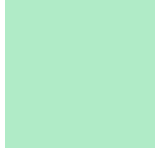
Protanomaly

59.3760, 72.2967, 25.2932



Deuteranomaly

62.5870, 72.0289, 38.2080



Tritanomaly

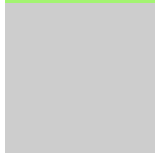
57.9216, 72.7703, 65.0261

Monochromacy



Original Color

50.4356, 73.6802, 27.1862



Achromatopsia

58.0276, 61.0496, 66.4830



Achromatomaly

54.0131, 64.5887, 48.6498

CSS Examples

Text

The CSS property to change the color of the text to XYZ 50.4356, 73.6802, 27.1862 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(163, 244, 113)` looks like.

```
.text, #text, p{  
    color:rgb(163, 244, 113)  
}
```

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(163, 244, 113) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(163, 244, 113) }
```

Border

The CSS property to change the border of an element to XYZ 50.4356, 73.6802, 27.1862 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(163, 244, 113) }
```


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

```
.border{ border-color:rgb(163, 244, 113) }
```

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

Here you see how a box with a 4 pixel `rgb(163, 244, 113)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(163, 244, 113); -webkit-box-  
shadow:4px 4px 4px 4px rgb(163, 244, 113);  
box-shadow:4px 4px 4px 4px rgb(163, 244,  
113) }
```

Background

The CSS property to change the background color of an element to XYZ 50.4356, 73.6802, 27.1862 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(163, 244, 113) }
```

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

```
.background{ background-color: rgb(163,  
244, 113) }
```

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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