

Converting Colors

XYZ(45.9551, 73.1050, 27.0313)

Have a look what the booklet for
XYZ(45.9551, 73.1050, 27.0313)
contains.

XYZ(46.0078, 73.2102, 27.0354)	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(46.0078, 73.2102,
27.0354)**

Conversions

Conversions Part 1

Format	Color
Hex	84F870
RGB	132, 248, 112
RGB Percent	52%, 97%, 44%
CMY	0.4823, 0.0274, 0.5608
CMYK	0.47, 0.00, 0.55, 0.03
HSL	111°, 91%, 71%
HSV	111°, 55%, 97%
XYZ	46.0078, 73.2102, 27.0354
YIQ	197.8120, -25.4800, -66.8880

Conversions

Conversions Part 2

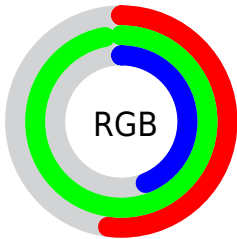
Format	Color
RYB	112, 248, 228
Decimal	8714352
CIELab	88.55, -58.05, 54.55
CIElCh	89, 79.660, 136.782
Yxy	73.2102, 0.3146, 0.5006
Android (android.graphics.Color)	4286904432 (0xFF84F870)
YUV	197.8120, -42.3053, -57.7171
Hunter-Lab	85.5630, -53.7545, 41.1602

Details

The XYZ color **46.0078, 73.2102, 27.0354** is a light color, and the websafe version is hex **99FF66**. A complement of this color would be **54.7361, 34.8621, 92.6550**, and the grayscale version is **53.8239, 56.6269, 61.6667**.

A 20% lighter version of the original color is **64.2209, 85.3864, 49.6556**, and **21.9203, 38.8692, 10.3502** is the 20% darker color. If you saturate the color by 10%, you get **41.8338, 71.1988, 20.5984**, and if you desaturate by 10%, it is **51.2363, 75.7257, 35.5095**.

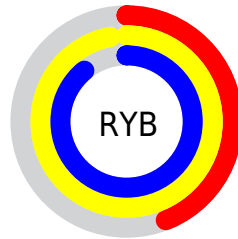
Distribution



Red (52%)

Green (97%)

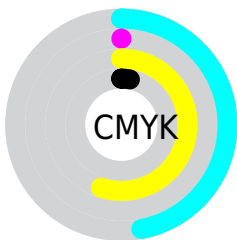
Blue (44%)



Red (44%)

Yellow (97%)

Blue (89%)

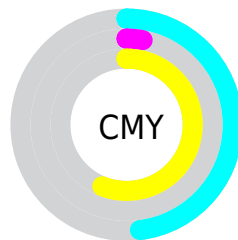


Cyan (47%)

Magenta (0%)

Yellow (55%)

Black (3%)



Cyan (48%)

Magenta (3%)


Yellow (56%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 46.0078, 73.2102, 27.0354 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 46.0078, 73.2102, 27.0354 by changing the saturation by 10% instead.


 46.0078, 73.2102,
27.0354

 46.0078, 73.2102,
27.0354


361.5554,
471.7430, 301.5941


 32.4566, 54.1479,
17.3671


 83.4585, 123.7756,
55.9451

 21.8677, 38.7199,
10.3319


 108.0887,
156.0474, 76.0236

 13.8758, 26.5419,
5.5111


 137.1426,
193.4912, 100.4093

 8.1155, 17.2295,
2.4862

170.9856,
236.4913, 129.5207

 4.2213, 10.3982,
0.8328

209.9830,
285.4321, 163.7763

 1.8281, 5.6638,
0.0000

254.5002,

 0.5345, 2.6417,

340.6981, 203.5947

0.0000

304.9026,
402.6736, 249.3945

0.0000, 0.9477,
0.0000

0.0000, 0.0000,
0.0000

46.0078, 73.2102,
27.0354

46.0078, 73.2102,
27.0354

41.8338, 71.1988,
20.5984

51.2363, 75.7257,
35.5095

38.6361, 69.6483,
16.0228


57.5798, 78.7665,
46.1673


36.3340, 68.5236,
13.1117


65.1004, 82.3640,
59.1474

34.8304, 67.7798,
11.6212

73.8540, 86.5443,
74.5756

 34.3128, 67.5213,
11.2244

 83.8930, 91.3317,
92.5689

 92.8589, 95.6178,
108.1696

Harmonies

Analogous

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



59.4643, 73.2102, 15.3045



46.0078, 73.2102, 27.0354



39.4878, 73.2102, 57.9074

Triad

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



46.0078, 73.2102, 27.0354



61.4825, 73.2102, 233.2056



111.2305, 73.2102, 52.9281

Complementary

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



46.0078, 73.2102, 27.0354



54.7361, 34.8621, 92.6550

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.



112.0444, 73.2102, 106.4036



46.0078, 73.2102, 27.0354



80.7914, 73.2102, 229.7440

Square

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



46.0078, 73.2102, 27.0354



47.2501, 73.2102, 184.1955



100.0889, 73.2102, 176.1931



98.0357, 73.2102, 24.8381

Rectangle

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



46.0078, 73.2102, 27.0354



38.9967, 73.2102, 92.8555



100.0889, 73.2102, 176.1931



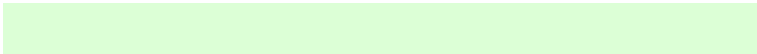
113.0358, 73.2102, 67.8739

Sweetspot

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



46.0096, 73.2133, 27.0370



77.4986, 91.6320, 77.3545



69.2727, 76.3968, 26.4254



16.1599, 19.4087, 15.7990



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.



46.0096, 73.2133, 27.0370



44.0799, 75.6117, 21.2240



46.5621, 73.1070, 44.7335



17.2548, 19.4316, 18.3036



18.6051, 36.5096, 6.0665



1.7921, 3.4169, 0.5651

Inverse Universe

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



54.7361, 34.8621, 92.6550



54.1487, 30.8530, 97.7090



54.9804, 35.7356, 58.8917



17.7275, 17.3877, 21.8071



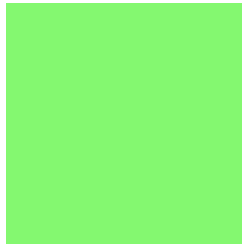
23.8416, 11.2335, 48.8852



2.2743, 1.0745, 4.5307

Previews

White Background



This preview shows how the XYZ color 46.0078, 73.2102, 27.0354 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 46.0078, 73.2102, 27.0354 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

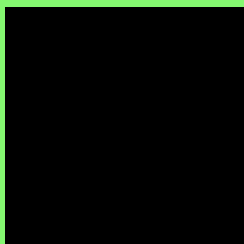
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

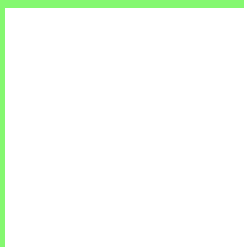
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 46.0078, 73.2102, 27.0354

Background



This preview shows how black text looks on a background with the XYZ color 46.0078, 73.2102, 27.0354.

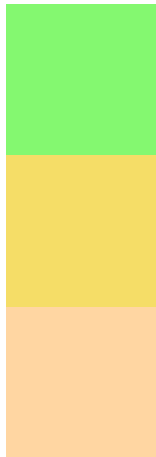


This preview shows how white text looks on a background with the XYZ color 46.0078, 73.2102,

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

46.0078, 73.2102, 27.0354

Protanopia

65.9608, 72.1047, 23.2730

Deuteranopia

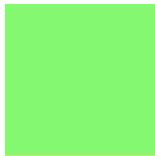
71.8082, 71.9618, 44.2877



Tritanopia

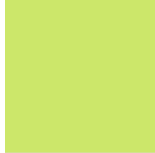
61.0077, 72.6770, 102.9081

Trichromacy



Original Color

46.0078, 73.2102, 27.0354



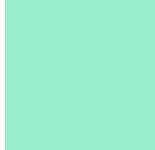
Protanomaly

56.0793, 71.0298, 24.3901



Deuteranomaly

58.8087, 70.1080, 36.8182



Tritanomaly

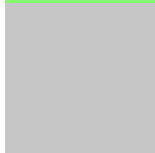
53.5116, 71.7557, 66.2882

Monochromacy



Original Color

46.0078, 73.2102, 27.0354



Achromatopsia

53.6758, 56.4712, 61.4971



Achromatomaly

48.9865, 60.9004, 45.7323

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.0078, 73.2102, 27.0354 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(132, 248, 112)` looks like.

```
.text, #text, p{  
    color:rgb(132, 248, 112)  
}
```

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(132, 248, 112) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(132, 248, 112) }
```

Border

The CSS property to change the border of an element to XYZ 46.0078, 73.2102, 27.0354 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(132, 248, 112) }
```


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

```
.border{ border-color:rgb(132, 248, 112) }
```

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

Here you see how a box with a 4 pixel `rgb(132, 248, 112)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(132, 248, 112); -webkit-box-shadow:4px 4px 4px 4px rgb(132, 248, 112); box-shadow:4px 4px 4px 4px rgb(132, 248, 112) }
```

Background

The CSS property to change the background color of an element to XYZ 46.0078, 73.2102, 27.0354 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(132, 248, 112) }
```

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

```
.background{ background-color: rgb(132,  
248, 112) }
```

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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