

Converting Colors

XYZ(46.3849, 73.0467, 23.4166)

Have a look what the booklet for
XYZ(46.3849, 73.0467, 23.4166)
contains.

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Color

**XYZ(46.3281, 72.9978,
23.4526)**

Conversions

Conversions Part 1

Format	Color
Hex	8CF763
RGB	140, 247, 99
RGB Percent	55%, 97%, 39%
CMY	0.4510, 0.0314, 0.6117
CMYK	0.43, 0.00, 0.60, 0.03
HSL	103°, 90%, 68%
HSV	103°, 60%, 97%
XYZ	46.3281, 72.9978, 23.4526
YIQ	198.1350, -16.2640, -68.7120

Conversions

Conversions Part 2

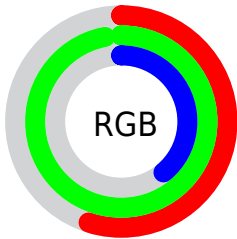
Format	Color
RYB	99, 247, 206
Decimal	9238371
CIELab	88.45, -56.71, 60.19
CIELCh	88, 82.697, 133.292
Yxy	72.9978, 0.3245, 0.5113
Android (android.graphics.Color)	4287428451 (0xFF8CF763)
YUV	198.1350, -48.8736, -50.9844
Hunter-Lab	85.4387, -52.7284, 43.5323

Details

The XYZ color **46.3281, 72.9978, 23.4526** is a light color, and the websafe version is hex **99FF66**. A complement of this color would be **46.7076, 28.7633, 91.0897**, and the grayscale version is **54.0554, 56.8705, 61.9319**.

A 20% lighter version of the original color is **65.1459, 85.9952, 43.7370**, and **22.1396, 38.6996, 8.4934** is the 20% darker color. If you saturate the color by 10%, you get **42.5547, 71.1710, 18.0269**, and if you desaturate by 10%, it is **50.9545, 75.2271, 30.8057**.

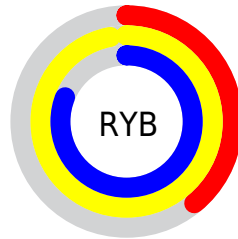
Distribution



Red (55%)

Green (97%)

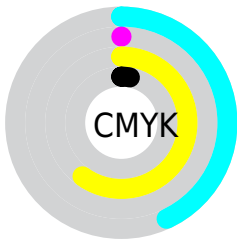
Blue (39%)



Red (39%)

Yellow (97%)

Blue (81%)

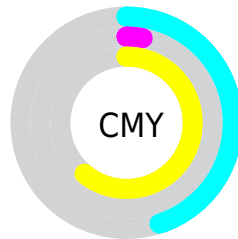


Cyan (43%)

Magenta (0%)

Yellow (60%)

Black (3%)



Cyan (45%)

Magenta (3%)

Yellow (61%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 46.3281, 72.9978, 23.4526 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 46.3281, 72.9978, 23.4526 by changing the saturation by 10% instead.


 46.3281, 72.9978,
23.4526


 46.3281, 72.9978,
23.4526


362.8200,
471.0072, 283.2381

 32.7105, 53.9742,
14.7196


 83.9347, 123.4741,
50.0680


 22.0630, 38.5810,
8.4784


 108.6544,
155.6955, 68.7875

 14.0200, 26.4339,
4.3104


 137.8055,
193.0850, 91.6730

 8.2164, 17.1485,
1.7971

 171.7534,
236.0270, 119.1429

 4.2867, 10.3405,
0.4261

210.8635,
284.9058, 151.6158

 1.8656, 5.6253,
0.0000

255.5010,

 0.5567, 2.6186,

340.1058, 189.5103

0.0000

306.0314,
402.0115, 233.2449

0.0000, 0.9360,
0.0000

0.0000, 0.0000,
0.0000

46.3281, 72.9978,
23.4526

46.3281, 72.9978,
23.4526

42.5547, 71.1710,
18.0269

50.9545, 75.2271,
30.8057

39.5713, 69.7114,
14.3430


56.4803, 77.8727,
40.2396

37.3137, 68.5929,
12.1873


62.9547, 80.9590,
51.8974

35.6869, 67.7744,
11.2067

70.4215, 84.5059,
65.9087

 35.6755, 67.7686,
11.2004

 78.9217, 88.5319,
82.3926

 88.4939, 93.0544,
101.4606

 92.5523, 95.0045,
108.0674

Harmonies

Analogous

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



60.9578, 72.9978, 13.4471



46.3281, 72.9978, 23.4526



38.8270, 72.9978, 51.9744

Triad

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



46.3281, 72.9978, 23.4526



58.9602, 72.9978, 237.2515



113.6408, 72.9978, 56.8715

Complementary

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



46.3281, 72.9978, 23.4526



46.7076, 28.7633, 91.0897

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.



112.8230, 72.9978, 115.3027



46.3281, 72.9978, 23.4526



78.5491, 72.9978, 240.7718

Square

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



46.3281, 72.9978, 23.4526



45.1076, 72.9978, 180.6941



99.0410, 72.9978, 188.7938



101.0987, 72.9978, 25.5587

Rectangle

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



46.3281, 72.9978, 23.4526



37.7831, 72.9978, 85.9369



99.0410, 72.9978, 188.7938



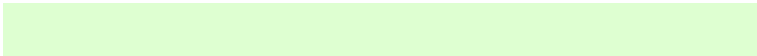
114.9815, 72.9978, 73.3590

Sweetspot

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



46.3298, 73.0009, 23.4542



77.3483, 91.6287, 73.9959



62.4602, 64.3728, 20.9386



16.0177, 19.3571, 14.8096



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.



46.3298, 73.0009, 23.4542



44.9727, 76.1364, 18.3543



42.5099, 70.8180, 32.9267



16.7130, 18.6941, 17.5250



18.9843, 35.8996, 5.9287



1.7639, 3.2044, 0.5255

Inverse Universe

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



46.7076, 28.7633, 91.0897



45.2698, 24.6351, 96.9768



55.0795, 33.6027, 67.8312



16.7400, 16.5241, 20.8497



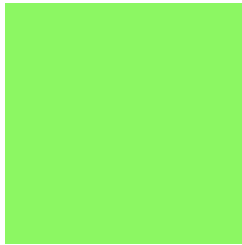
18.8042, 8.6682, 47.2201



1.7518, 0.8130, 4.1548

Previews

White Background



This preview shows how the XYZ color 46.3281, 72.9978, 23.4526 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 46.3281, 72.9978, 23.4526 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

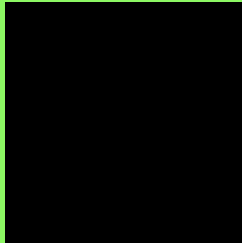
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 46.3281, 72.9978, 23.4526

Background



This preview shows how black text looks on a background with the XYZ color 46.3281, 72.9978, 23.4526.

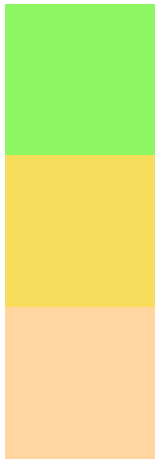


This preview shows how white text looks on a background with the XYZ color 46.3281, 72.9978,

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

46.3281, 72.9978, 23.4526

Protanopia

65.7508, 72.0611, 20.3413

Deuteranopia

71.6317, 71.8912, 43.3587



Tritanopia

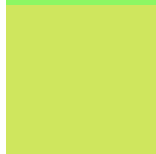
61.8378, 72.7223, 101.2201

Trichromacy



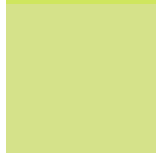
Original Color

46.3281, 72.9978, 23.4526



Protanomaly

56.0493, 70.6672, 21.2757



Deuteranomaly

59.2244, 70.3738, 34.5068



Tritanomaly

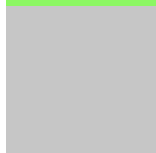
54.0391, 71.6766, 62.6166

Monochromacy



Original Color

46.3281, 72.9978, 23.4526



Achromatopsia

53.6758, 56.4712, 61.4971



Achromatomaly

49.2089, 61.0675, 43.3760

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.3281, 72.9978, 23.4526 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(140, 247, 99)` looks like.

```
.text, #text, p{  
    color:rgb(140, 247, 99)  
}
```

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(140, 247, 99) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(140, 247, 99) }
```

Border

The CSS property to change the border of an element to XYZ 46.3281, 72.9978, 23.4526 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(140, 247, 99) }
```


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

```
.border{ border-color:rgb(140, 247, 99) }
```

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

Here you see how a box with a 4 pixel rgb(140, 247, 99) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(140, 247, 99); -webkit-box-  
shadow:4px 4px 4px 4px rgb(140, 247, 99);  
box-shadow:4px 4px 4px 4px rgb(140, 247,  
99) }
```

Background

The CSS property to change the background color of an element to XYZ 46.3281, 72.9978, 23.4526 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(140, 247, 99) }
```

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

```
.background{ background-color: rgb(140,  
247, 99) }
```

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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