

Converting Colors

XYZ(46.2234, 69.7287, 47.0992)

Have a look what the booklet for
XYZ(46.2234, 69.7287, 47.0992)
contains.

XYZ(46.2234, 69.7287, 47.0992)	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(46.2234, 69.7287,
47.0992)**

Conversions

Conversions Part 1

Format	Color
Hex	79F1A6
RGB	121, 241, 166
RGB Percent	47%, 95%, 65%
CMY	0.5255, 0.0549, 0.3490
CMYK	0.50, 0.00, 0.31, 0.05
HSL	142°, 81%, 71%
HSV	142°, 50%, 95%
XYZ	46.2234, 69.7287, 47.0992
YIQ	196.5700, -47.4450, -48.7650

Conversions

Conversions Part 2

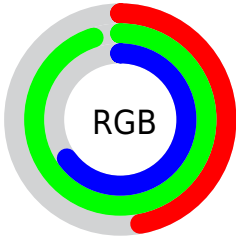
Format	Color
RYB	121, 208, 241
Decimal	7991718
CIELab	86.86, -50.18, 26.09
CIELCh	87, 56.559, 152.525
Yxy	69.7287, 0.2835, 0.4276
Android (android.graphics.Color)	4286181798 (0xFF79F1A6)
YUV	196.5700, -15.0710, -66.2749
Hunter-Lab	83.5037, -47.3230, 25.0108

Details

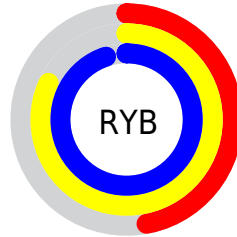
The XYZ color **46.2234, 69.7287, 47.0992** is a light color, and the websafe version is hex **99FF99**. A complement of this color would be **53.0790, 36.3625, 56.4481**, and the grayscale version is **52.9216, 55.6777, 60.6330**.

A 20% lighter version of the original color is **67.4016, 86.3242, 81.5164**, and **22.0412, 36.4565, 21.7947** is the 20% darker color. If you saturate the color by 10%, you get **41.9569, 67.6816, 40.1049**, and if you desaturate by 10%, it is **51.4989, 72.2811, 54.9886**.

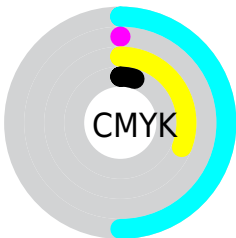
Distribution



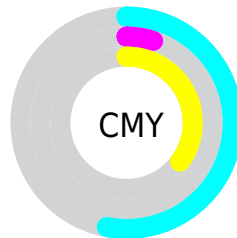
- Red (47%)
- Green (95%)
- Blue (65%)



- Red (47%)
- Yellow (82%)
- Blue (95%)



- Cyan (50%)
- Magenta (0%)
- Yellow (31%)
- Black (5%)





- Cyan (53%)
- Magenta (5%)
- Yellow (35%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 46.2234, 69.7287, 47.0992 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 46.2234, 69.7287, 47.0992 by changing the saturation by 10% instead.


 46.2234, 69.7287,
47.0992


 46.2234, 69.7287,
47.0992


362.4070,
459.5968, 391.6156


 32.6275, 51.3054,
32.7592


 83.7791, 118.8218,
87.2132

 21.9991, 36.4517,
21.6724

 108.4695,
150.2603, 113.8243

 13.9729, 24.7833,
13.4204


 137.5889,
186.8061, 145.3628

 8.1834, 15.9157,
7.5845

171.5026,
228.8435, 182.2472

 4.2653, 9.4645,
3.7463

210.5759,
276.7568, 224.8962

 1.8533, 5.0454,
1.4872

255.1741,

 0.5495, 2.2739,

330.9306, 273.7282

0.2084

305.6627,
391.7491, 329.1618

0.0000, 0.7598,
0.0000

0.0000, 0.0000,
0.0000

46.2234, 69.7287,
47.0992

46.2234, 69.7287,
47.0992

41.9569, 67.6816,
40.1049

51.4989, 72.2811,
54.9886

38.6244, 66.0960,
33.9687

57.8408, 75.3620,
63.7989


36.1486, 64.9347,
28.6578


65.3082, 79.0033,
73.5608


34.4363, 64.1502,
24.1351

73.9545, 83.2318,
84.3019

 33.3377, 63.6664,
20.3589

 83.8292, 88.0727,
96.0490

 33.3181, 63.6578,
20.2880

 90.7466, 91.3932,
107.4655

Harmonies

Analogous

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



53.5522, 69.7287, 29.6699



46.2234, 69.7287, 47.0992



44.0286, 69.7287, 79.1676

Triad

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



46.2234, 69.7287, 47.0992



67.3986, 69.7287, 174.0652



90.0426, 69.7287, 43.1819

Complementary

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



46.2234, 69.7287, 47.0992



53.0790, 36.3625, 56.4481

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.



94.9797, 69.7287, 72.7677



46.2234, 69.7287, 47.0992



80.8685, 69.7287, 155.1122

Square

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



46.2234, 69.7287, 47.0992



55.2486, 69.7287, 160.3214



91.4201, 69.7287, 114.6079



78.6788, 69.7287, 27.9922

Rectangle

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



46.2234, 69.7287, 47.0992



45.4991, 69.7287, 107.2868



91.4201, 69.7287, 114.6079



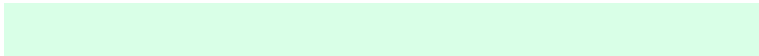
92.5722, 69.7287, 51.3576

Sweetspot

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



46.2252, 69.7316, 47.1008



78.7380, 92.0082, 89.2800



57.9348, 76.1645, 29.7376



16.4165, 19.4801, 18.5637



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.



46.2252, 69.7316, 47.1008



47.5300, 76.8610, 45.3020



52.9332, 72.4148, 82.4247



15.8111, 17.7544, 18.0280



18.1270, 34.5428, 11.3177



1.5547, 2.8923, 1.1876

Inverse Universe

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



53.0790, 36.3625, 56.4481



56.1413, 34.8227, 56.9625



47.6303, 34.1830, 27.7555



16.1883, 15.9250, 18.5478



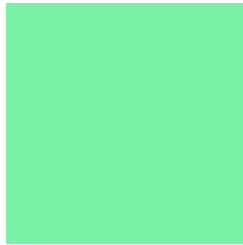
22.7517, 11.3731, 17.1407



1.9408, 0.9654, 1.6790

Previews

White Background



This preview shows how the XYZ color 46.2234, 69.7287, 47.0992 looks on a white background.

Color Contrast Check

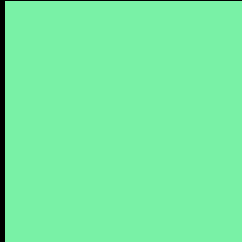
Large Text (above 18pt) WCAG AA × Fail

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 46.2234, 69.7287, 47.0992 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

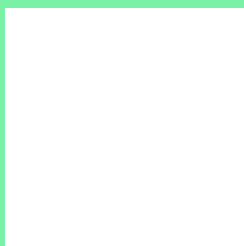
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 46.2234, 69.7287, 47.0992

Background



This preview shows how black text looks on a background with the XYZ color 46.2234, 69.7287, 47.0992.

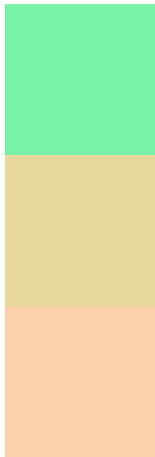


This preview shows how white text looks on a background with the XYZ color 46.2234, 69.7287,

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

46.2234, 69.7287, 47.0992

Protanopia

64.0765, 68.8019, 40.9133

Deuteranopia

69.8824, 68.6381, 49.1004



Tritanopia

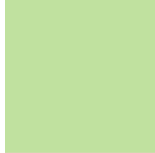
56.5510, 69.1840, 99.9958

Trichromacy



Original Color

46.2234, 69.7287, 47.0992



Protanomaly

54.9214, 67.5601, 42.9466



Deuteranomaly

57.7507, 66.9260, 47.9044



Tritanomaly

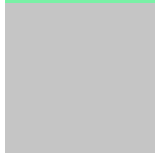
52.0405, 69.0284, 77.5988

Monochromacy



Original Color

46.2234, 69.7287, 47.0992



Achromatopsia

53.0703, 55.8340, 60.8033



Achromatomaly

49.0194, 59.5687, 55.3687

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.2234, 69.7287, 47.0992 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(121, 241, 166)` looks like.

```
.text, #text, p{  
    color:rgb(121, 241, 166)  
}
```

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(121, 241, 166) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(121, 241, 166) }
```

Border

The CSS property to change the border of an element to XYZ 46.2234, 69.7287, 47.0992 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(121, 241, 166) }
```


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

```
.border{ border-color:rgb(121, 241, 166) }
```

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

Here you see how a box with a 4 pixel `rgb(121, 241, 166)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(121, 241, 166); -webkit-box-shadow:4px 4px 4px 4px rgb(121, 241, 166); box-shadow:4px 4px 4px 4px rgb(121, 241, 166) }
```

Background

The CSS property to change the background color of an element to XYZ 46.2234, 69.7287, 47.0992 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(121, 241, 166) }
```

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

```
.background{ background-color: rgb(121,  
241, 166) }
```

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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