

Converting Colors

XYZ(58.8666, 100.0000,
31.8257)

Have a look what the booklet for
XYZ(58.8666, 100.0000, 31.8257)
contains.

XYZ(47.4930, 77.2243, 28.0254)	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(47.4930, 77.2243,
28.0254)**

Conversions

Conversions Part 1

Format	Color
Hex	7FFF71
RGB	127, 255, 113
RGB Percent	50%, 100%, 44%
CMY	0.5020, 0.0000, 0.5568
CMYK	0.50, 0.00, 0.56, 0.00
HSL	114°, 100%, 72%
HSV	114°, 56%, 100%
XYZ	47.4930, 77.2243, 28.0254
YIQ	200.5400, -30.7060, -71.2980

Conversions

Conversions Part 2

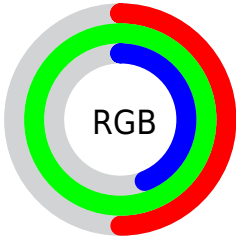
Format	Color
RYB	113, 255, 241
Decimal	8388465
CIELab	90.42, -61.96, 56.27
CIElCh	90, 83.699, 137.757
Yxy	77.2243, 0.3109, 0.5056
Android (android.graphics.Color)	4286578545 (0xFF7FFF71)
YUV	200.5400, -43.1572, -64.4946
Hunter-Lab	87.8774, -57.3157, 42.6057

Details

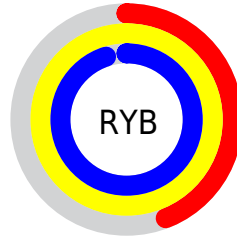
The XYZ color **47.4930, 77.2243, 28.0254** is a light color, and the websafe version is hex **66FF66**. A complement of this color would be **60.2325, 37.7326, 98.7163**, and the grayscale version is **55.5046, 58.3951, 63.5923**.

A 20% lighter version of the original color is **63.3214, 84.9119, 50.0980**, and **22.7423, 41.2724, 10.9054** is the 20% darker color. If you saturate the color by 10%, you get **43.2115, 75.1603, 21.3551**, and if you desaturate by 10%, it is **52.9593, 79.8524, 36.8583**.

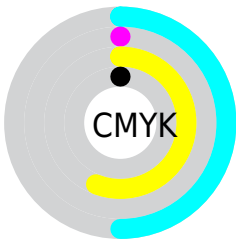
Distribution



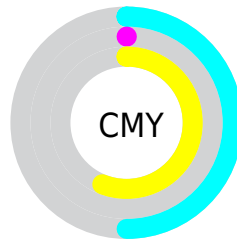
- Red (50%)
- Green (100%)
- Blue (44%)



- Red (44%)
- Yellow (100%)
- Blue (95%)



- Cyan (50%)
- Magenta (0%)
- Yellow (56%)
- Black (0%)





- Cyan (50%)
- Magenta (0%)
- Yellow (56%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 47.4930, 77.2243, 28.0254 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 47.4930, 77.2243, 28.0254 by changing the saturation by 10% instead.


 47.4930, 77.2243,
28.0254


 47.4930, 77.2243,
28.0254

367.3951,
485.5284, 306.5040


 33.6351, 57.4370,
18.1056


 85.6633, 129.4561,
57.5486

 22.7750, 41.3562,
10.8556


 110.7065,
162.6693, 77.9890

 14.5472, 28.5975,
5.8569


 140.2088,
201.1266, 102.7735

 8.5865, 18.7766,
2.6909

174.5356,
245.2124, 132.3204

 4.5274, 11.5089,
0.9388

214.0523,
295.3111, 167.0484

 2.0046, 6.4102,
0.0000

259.1242,

 0.6366, 3.0961,

351.8071, 207.3760

0.0000

310.1167,
415.0847, 253.7217

0.0000, 1.1821,
0.0000

0.0000, 0.0470,
0.0000

47.4930, 77.2243,
28.0254

47.4930, 77.2243,
28.0254

43.2115, 75.1603,
21.3551

52.9593, 79.8524,
36.8583

40.0253, 73.6184,
16.6582


59.6889, 83.0817,
48.0143


37.8335, 72.5512,
13.7195

67.7546, 86.9464,
61.6427

36.5154, 71.9024,
12.2707

77.2235, 91.4782,
77.8796

 36.1642, 71.7284,
11.9389

 88.1581, 96.7066,
96.8509

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.



61.8156, 77.2243, 15.2125



47.4930, 77.2243, 28.0254



40.7209, 77.2243, 61.9672

Triad

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



47.4930, 77.2243, 28.0254



65.2046, 77.2243, 254.1060



118.6966, 77.2243, 53.6479

Complementary

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



47.4930, 77.2243, 28.0254



60.2325, 37.7326, 98.7163

Split Complementary

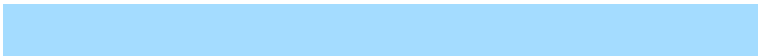
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



120.0799, 77.2243, 110.9220



47.4930, 77.2243, 28.0254



86.3468, 77.2243, 248.1654

Square

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



47.4930, 77.2243, 28.0254



49.5667, 77.2243, 201.2682



107.3408, 77.2243, 187.5868



103.8585, 77.2243, 24.4292

Rectangle

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



47.4930, 77.2243, 28.0254



40.3532, 77.2243, 100.5894



107.3408, 77.2243, 187.5868



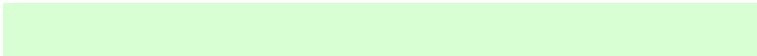
120.8399, 77.2243, 69.4910

Sweetspot

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



47.4933, 77.2244, 28.0266



75.8957, 90.8430, 75.5904



75.6171, 85.2448, 28.0924



15.8211, 19.2414, 15.4505



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.



47.4933, 77.2244, 28.0266



42.7319, 74.9286, 20.6288



49.8076, 77.9258, 50.3483



17.9376, 20.2537, 19.1083



18.9510, 37.5077, 6.2409



1.8980, 3.6792, 0.6101

Inverse Universe

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



60.2325, 37.7326, 98.7163



56.5455, 31.7887, 97.7633



57.3619, 37.1577, 57.6969



18.6058, 18.2040, 22.7830



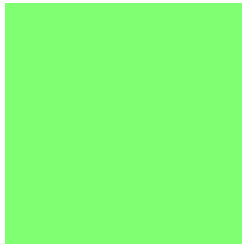
26.5324, 12.5885, 50.4660



2.6324, 1.2510, 4.9160

Previews

White Background



This preview shows how the XYZ color 47.4930, 77.2243, 28.0254 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 47.4930, 77.2243, 28.0254 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

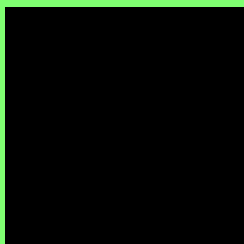
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 47.4930, 77.2243, 28.0254

Background



This preview shows how black text looks on a background with the XYZ color 47.4930, 77.2243, 28.0254.

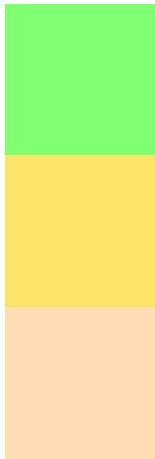


This preview shows how white text looks on a background with the XYZ color 47.4930, 77.2243,

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

47.4930, 77.2243, 28.0254

Protanopia

69.4787, 75.9014, 24.0852

Deuteranopia

74.9699, 75.7011, 53.3083



Tritanopia

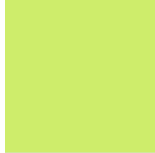
64.7730, 76.6939, 105.9972

Trichromacy



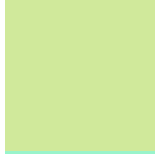
Original Color

47.4930, 77.2243, 28.0254



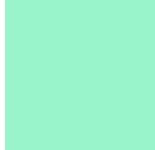
Protanomaly

58.3916, 74.7517, 25.2609



Deuteranomaly

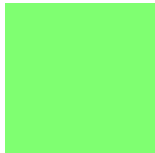
61.0677, 74.0543, 42.0856



Tritanomaly

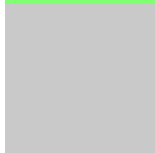
56.2670, 75.7855, 68.1624

Monochromacy



Original Color

47.4930, 77.2243, 28.0254



Achromatopsia

55.5167, 58.4078, 63.6061



Achromatomaly

50.4734, 63.5761, 47.1473

CSS Examples

Text

The CSS property to change the color of the text to XYZ 47.4930, 77.2243, 28.0254 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(127, 255, 113)` looks like.

```
.text, #text, p{  
    color:rgb(127, 255, 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(127, 255, 113) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(127, 255, 113) }
```

Border

The CSS property to change the border of an element to XYZ 47.4930, 77.2243, 28.0254 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(127, 255, 113) }
```


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

```
.border{ border-color:rgb(127, 255, 113) }
```

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

Here you see how a box with a 4 pixel `rgb(127, 255, 113)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(127, 255, 113); -webkit-box-shadow:4px 4px 4px 4px rgb(127, 255, 113); box-shadow:4px 4px 4px 4px rgb(127, 255, 113) }
```

Background

The CSS property to change the background color of an element to XYZ 47.4930, 77.2243, 28.0254 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(127, 255, 113) }
```

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

```
.background{ background-color: rgb(127,  
255, 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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor