

Converting Colors

XYZ(48.1008, 77.0894, 48.3031)

Have a look what the booklet for
XYZ(48.1008, 77.0894, 48.3031)
contains.

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Color

**XYZ(48.1224, 77.0980,
48.4215)**

Conversions

Conversions Part 1

Format	Color
Hex	66FFA6
RGB	102, 255, 166
RGB Percent	40%, 100%, 65%
CMY	0.6000, 0.0000, 0.3490
CMYK	0.60, 0.00, 0.35, 0.00
HSL	145°, 100%, 70%
HSV	145°, 60%, 100%
XYZ	48.1224, 77.0980, 48.4215
YIQ	199.1070, -62.6190, -60.1150

Conversions

Conversions Part 2

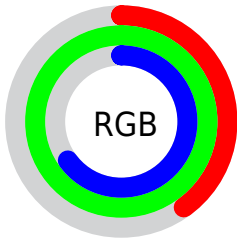
Format	Color
RYB	102, 210, 255
Decimal	6750118
CIELab	90.37, -59.97, 30.73
CIElCh	90, 67.383, 152.866
Yxy	77.0980, 0.2771, 0.4440
Android (android.graphics.Color)	4284940198 (0xFF66FFA6)
YUV	199.1070, -16.3218, -85.1628
Hunter-Lab	87.8055, -55.8314, 28.7676

Details

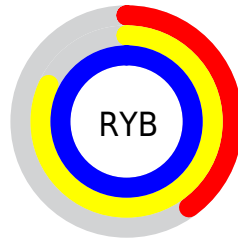
The XYZ color **48.1224, 77.0980, 48.4215** is a light color, and the websafe version is hex **66FF99**. A complement of this color would be **55.3955, 34.5247, 53.0342**, and the grayscale version is **54.4758, 57.3128, 62.4136**.

A 20% lighter version of the original color is **64.4619, 84.7933, 82.0765**, and **23.1129, 41.2103, 22.3590** is the 20% darker color. If you saturate the color by 10%, you get **44.3803, 75.3170, 41.5490**, and if you desaturate by 10%, it is **52.9110, 79.4001, 56.1648**.

Distribution



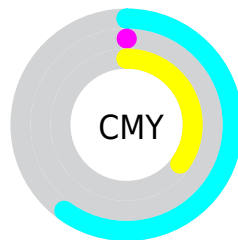
- Red (40%)
- Green (100%)
- Blue (65%)



- Red (40%)
- Yellow (82%)
- Blue (100%)



- Cyan (60%)
- Magenta (0%)
- Yellow (35%)
- Black (0%)




- Cyan (60%)
- Magenta (0%)
- Yellow (35%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 48.1224, 77.0980, 48.4215 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 48.1224, 77.0980, 48.4215 by changing the saturation by 10% instead.


 48.1224, 77.0980,
48.4215


 48.1224, 77.0980,
48.4215


369.8516,
485.0981, 397.0172


 34.1355, 57.3333,
33.7984


 86.5952, 129.2778,
89.2037

 23.1611, 41.2729,
22.4627


 111.8118,
162.4617, 116.2000

 14.8338, 28.5324,
13.9957


 141.5024,
200.8875, 148.1577

 8.7884, 18.7274,
7.9790

176.0322,
244.9395, 185.4954

 4.6594, 11.4734,
3.9939

215.7667,
295.0022, 228.6317

 2.0815, 6.3862,
1.6220

261.0712,

 0.6792, 3.0813,

351.4599, 277.9850

0.3064

312.3110,
414.6971, 333.9740

■ 0.0000, 1.1743,
0.0000

■ 0.0000, 0.0406,
0.0000

■ 48.1224, 77.0980,
48.4215

■ 48.1224, 77.0980,
48.4215

■ 44.3803, 75.3170,
41.5490

■ 52.9110, 79.4001,
56.1648

■ 41.5932, 74.0110,
35.5115

■ 58.8234, 82.2630,
64.8052

■ 39.6555, 73.1260,
30.2761

■ 65.9311, 85.7227,
74.3724

■ 38.3965, 72.5746,
25.8037

■ 74.2988, 89.8122,
84.8936

■ 38.3965, 72.5746,
25.8034

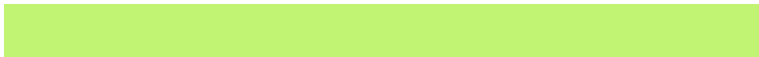
■ 83.9868, 94.5620,
96.3949

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.



57.1069, 77.0980, 27.7431



48.1224, 77.0980, 48.4215



45.5149, 77.0980, 88.6585

Triad

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



48.1224, 77.0980, 48.4215



74.9066, 77.0980, 214.4266



103.9058, 77.0980, 43.0785

Complementary

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



48.1224, 77.0980, 48.4215



55.3955, 34.5247, 53.0342

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.



110.5173, 77.0980, 79.4048



48.1224, 77.0980, 48.4215



92.2486, 77.0980, 188.1234

Square

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



48.1224, 77.0980, 48.4215



59.5092, 77.0980, 196.1576



105.9580, 77.0980, 133.6158



89.0249, 77.0980, 25.5900

Rectangle

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



48.1224, 77.0980, 48.4215



47.3581, 77.0980, 125.2803



105.9580, 77.0980, 133.6158



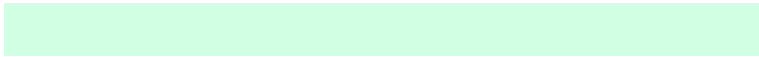
107.2638, 77.0980, 52.8799

Sweetspot

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



48.1229, 77.0982, 48.4228



76.1281, 90.7080, 87.1137



59.7074, 83.5883, 25.5582



15.7284, 19.1380, 17.9570



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

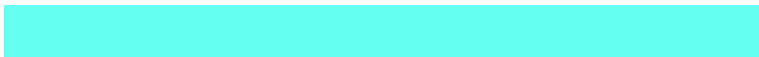
The Same Dimension uses a secret algorithm to generate beautiful new colors.



48.1229, 77.0982, 48.4228



43.7492, 75.0193, 40.2751



57.3044, 80.7708, 96.7716



18.0867, 20.2942, 20.7598



20.1334, 37.9500, 13.8537



2.0133, 3.7163, 1.6280

Inverse Universe

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



55.3955, 34.5247, 53.0342



51.5746, 29.0399, 45.1110



49.0718, 31.9953, 19.7343



18.4525, 18.1643, 21.0000



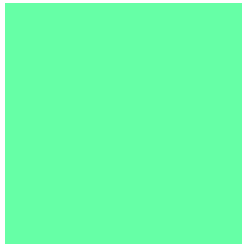
24.4317, 12.2620, 16.1898



2.4334, 1.2157, 1.8635

Previews

White Background



This preview shows how the XYZ color 48.1224, 77.0980, 48.4215 looks on a white background.

Color Contrast Check

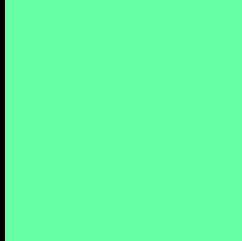
Large Text (above 18pt) WCAG AA × Fail

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 48.1224, 77.0980, 48.4215 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

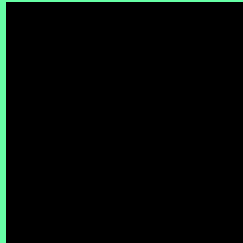
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 48.1224, 77.0980, 48.4215

Background



This preview shows how black text looks on a background with the XYZ color 48.1224, 77.0980, 48.4215.



This preview shows how white text looks on a background with the XYZ color 48.1224, 77.0980,

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

48.1224, 77.0980, 48.4215

Protanopia

70.0662, 75.4166, 41.4358

Deuteranopia

75.7568, 75.5972, 58.7430



Tritanopia

63.2146, 76.3239, 106.0080

Trichromacy



Original Color

48.1224, 77.0980, 48.4215



Protanomaly

57.9052, 73.6660, 43.5148



Deuteranomaly

60.7503, 73.1915, 54.6416



Tritanomaly

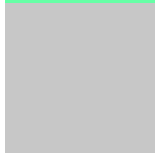
56.4529, 76.0358, 81.5130

Monochromacy



Original Color

48.1224, 77.0980, 48.4215



Achromatopsia

54.2854, 57.1125, 62.1955



Achromatomaly

49.6110, 62.1434, 56.3938

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.1224, 77.0980, 48.4215 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(102, 255, 166)` looks like.

```
.text, #text, p{  
    color:rgb(102, 255, 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(102, 255, 166) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 255, 166) }
```

Border

The CSS property to change the border of an element to XYZ 48.1224, 77.0980, 48.4215 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(102, 255, 166) }
```


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

```
.border{ border-color:rgb(102, 255, 166) }
```

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

Here you see how a box with a 4 pixel `rgb(102, 255, 166)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 255, 166); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 255, 166);  
box-shadow:4px 4px 4px 4px rgb(102, 255,  
166) }
```

Background

The CSS property to change the background color of an element to XYZ 48.1224, 77.0980, 48.4215 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(102, 255, 166) }
```

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

```
.background{ background-color: rgb(102,  
255, 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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