

Converting Colors

XYZ(47.5373, 76.4928, 62.1064)

Have a look what the booklet for
XYZ(47.5373, 76.4928, 62.1064)
contains.

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Color

**XYZ(47.5212, 76.4840,
62.1274)**

Conversions

Conversions Part 1

Format	Color
Hex	42FFC0
RGB	66, 255, 192
RGB Percent	26%, 100%, 75%
CMY	0.7411, 0.0000, 0.2471
CMYK	0.74, 0.00, 0.25, 0.00
HSL	160°, 100%, 63%
HSV	160°, 74%, 100%
XYZ	47.5212, 76.4840, 62.1274
YIQ	191.3070, -92.4210, -59.6610

Conversions

Conversions Part 2

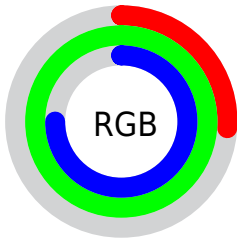
Format	Color
RYB	66, 179, 255
Decimal	4390848
CIELab	90.08, -60.41, 17.02
CIELCh	90, 62.764, 164.267
Yxy	76.4840, 0.2553, 0.4109
Android (android.graphics.Color)	4282580928 (0xFF42FFC0)
YUV	191.3070, 0.3416, -109.8942
Hunter-Lab	87.4551, -56.0535, 19.0995

Details

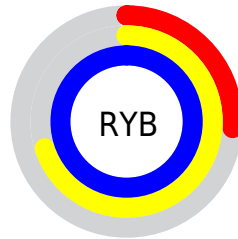
The XYZ color **47.5212, 76.4840, 62.1274** is a light color, and the websafe version is hex **33FFCC**. The color can be described as light washed cyan. A complement of this color would be **47.1515, 26.7424, 23.4474**, and the grayscale version is **49.7369, 52.3270, 56.9841**.

A 20% lighter version of the original color is **63.5063, 83.8485, 102.4598**, and **24.5537, 41.7675, 30.8126** is the 20% darker color. If you saturate the color by 10%, you get **45.2546, 75.4212, 57.2468**, and if you desaturate by 10%, it is **50.6087, 77.9637, 67.3330**.

Distribution



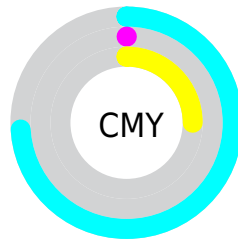
- Red (26%)
- Green (100%)
- Blue (75%)



- Red (26%)
- Yellow (70%)
- Blue (100%)



- Cyan (74%)
- Magenta (0%)
- Yellow (25%)
- Black (0%)





- Cyan (74%)
- Magenta (0%)
- Yellow (25%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 47.5212, 76.4840, 62.1274 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 47.5212, 76.4840, 62.1274 by changing the saturation by 10% instead.


 47.5212, 76.4840,
62.1274


 47.5212, 76.4840,
62.1274


367.5054,
483.0029, 450.4161


 33.6575, 56.8295,
44.6992


 85.7051, 128.4108,
109.4830


 22.7923, 40.8683,
30.8793


 110.7561,
161.4519, 140.2475

 14.5601, 28.2162,
20.2493


 140.2668,
199.7240, 176.2945

 8.5955, 18.4887,
12.3905

 174.6028,
243.6115, 218.0426

 4.5333, 11.3014,
6.8845

214.1293,
293.4987, 265.9102

 2.0080, 6.2700,
3.3126


259.2116,


 0.6385, 3.0099,


349.7701, 320.3160


1.2564


310.2152,
412.8100, 381.6785


 0.0000, 1.1369,
0.0256

 0.0000, 0.0093,
0.0000


 47.5212, 76.4840,
62.1274


 47.5212, 76.4840,
62.1274

 45.2546, 75.4212,
57.2468


 50.6087, 77.9637,
67.3330

 43.6952, 74.7168,
52.6773

 54.6061, 79.9060,
72.8684

 43.0157, 74.4223,
50.1277

 59.5925, 82.3517,
78.7434

 65.6379, 85.3368,
84.9654

■ 72.8056, 88.8937,
91.5418

■ 81.1537, 93.0525,
98.4796

■ 90.7366, 97.8408,
105.7855

■ 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.



53.7388, 76.4840, 35.7360



47.5212, 76.4840, 62.1274



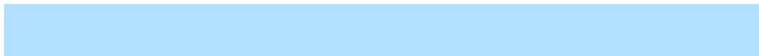
47.3721, 76.4840, 106.2433

Triad

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



47.5212, 76.4840, 62.1274



80.3254, 76.4840, 197.0625



96.3083, 76.4840, 36.6257

Complementary

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



47.5212, 76.4840, 62.1274



47.1515, 26.7424, 23.4474

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.



105.7383, 76.4840, 63.8864



47.5212, 76.4840, 62.1274



95.6566, 76.4840, 160.9924

Square

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



47.5212, 76.4840, 62.1274



64.8771, 76.4840, 196.0562



105.4841, 76.4840, 108.7549



81.1187, 76.4840, 25.0132

Rectangle

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



47.5212, 76.4840, 62.1274



50.6568, 76.4840, 141.4773



105.4841, 76.4840, 108.7549



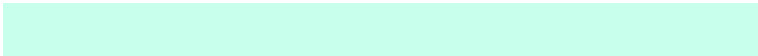
100.3474, 76.4840, 43.7325

Sweetspot

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



47.5220, 76.4844, 62.1287



74.4706, 89.7220, 92.9786



46.2836, 76.8315, 17.5460



15.4848, 18.9779, 19.5075



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.



47.5220, 76.4844, 62.1287



44.4124, 75.0364, 54.9761



47.6710, 63.1260, 104.2798



18.2823, 20.3725, 21.7897



22.5488, 38.9161, 26.5729



2.2463, 3.8094, 2.8546

Inverse Universe

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



47.1515, 26.7424, 23.4474



44.1399, 23.0863, 15.1467



46.2581, 29.7224, 8.4544



18.2591, 18.0870, 19.9815



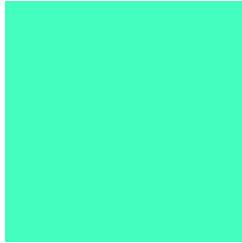
22.4671, 11.4761, 5.8443



2.2358, 1.1367, 0.8233

Previews

White Background



This preview shows how the XYZ color 47.5212, 76.4840, 62.1274 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 47.5212, 76.4840, 62.1274 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

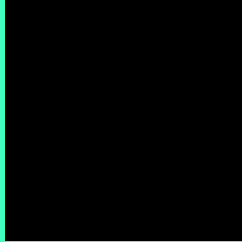
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 47.5212, 76.4840, 62.1274

Background



This preview shows how black text looks on a background with the XYZ color 47.5212, 76.4840, 62.1274.

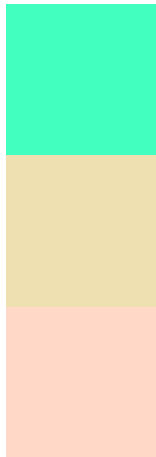


This preview shows how white text looks on a background with the XYZ color 47.5212, 76.4840,

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

47.5212, 76.4840, 62.1274

Protanopia

70.1881, 74.8364, 52.3405

Deuteranopia

76.2212, 74.5419, 65.0143



Tritanopia

61.4228, 75.8361, 106.0082

Trichromacy



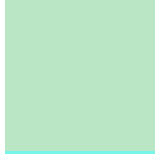
Original Color

47.5212, 76.4840, 62.1274



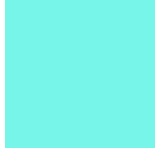
Protanomaly

56.0563, 72.0242, 55.2035



Deuteranomaly

58.6246, 71.0639, 63.4502



Tritanomaly

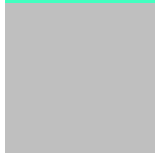
54.6891, 74.9826, 87.9346

Monochromacy



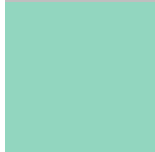
Original Color

47.5212, 76.4840, 62.1274



Achromatopsia

49.5206, 52.0996, 56.7364



Achromatomaly

45.3046, 57.9657, 58.0909

CSS Examples

Text

The CSS property to change the color of the text to XYZ 47.5212, 76.4840, 62.1274 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(66, 255, 192)` looks like.

```
.text, #text, p{  
    color:rgb(66, 255, 192)  
}
```

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(66, 255, 192) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(66, 255, 192) }
```

Border

The CSS property to change the border of an element to XYZ 47.5212, 76.4840, 62.1274 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(66, 255, 192) }
```


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

```
.border{ border-color:rgb(66, 255, 192) }
```

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

Here you see how a box with a 4 pixel `rgb(66, 255, 192)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(66, 255, 192); -webkit-box-  
shadow:4px 4px 4px 4px rgb(66, 255, 192);  
box-shadow:4px 4px 4px 4px rgb(66, 255,  
192) }
```

Background

The CSS property to change the background color of an element to XYZ 47.5212, 76.4840, 62.1274 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(66, 255, 192) }
```

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

```
.background{ background-color: rgb(66, 255,  
192) }
```

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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