

Converting Colors

XYZ(47.7035, 54.1992, 70.2392)

Have a look what the booklet for
XYZ(47.7035, 54.1992, 70.2392)
contains.

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Color

**XYZ(47.6706, 54.2081,
70.2381)**

Conversions

Conversions Part 1

Format	Color
Hex	A2C9D4
RGB	162, 201, 212
RGB Percent	64%, 79%, 83%
CMY	0.3647, 0.2117, 0.1686
CMYK	0.24, 0.05, 0.00, 0.17
HSL	193°, 37%, 73%
HSV	193°, 24%, 83%
XYZ	47.6706, 54.2081, 70.2381
YIQ	190.5930, -26.7750, -4.8470

Conversions

Conversions Part 2

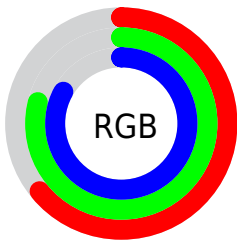
Format	Color
RYB	162, 184, 212
Decimal	10668500
CIELab	78.58, -10.43, -9.74
CIELCh	79, 14.264, 223.039
Yxy	54.2081, 0.2770, 0.3149
Android (android.graphics.Color)	4288858580 (0xFFA2C9D4)
YUV	190.5930, 10.5537, -25.0761
Hunter-Lab	73.6262, -13.2727, -5.0234

Details

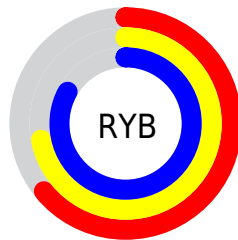
The XYZ color **47.6706, 54.2081, 70.2381** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **48.6172, 46.4932, 40.5953**, and the grayscale version is **49.2389, 51.8032, 56.4137**.

A 20% lighter version of the original color is **82.7234, 93.6454, 108.3231**, and **22.8262, 26.5530, 35.8205** is the 20% darker color. If you saturate the color by 10%, you get **42.6517, 50.0327, 69.6976**, and if you desaturate by 10%, it is **53.4518, 58.8281, 70.8260**.

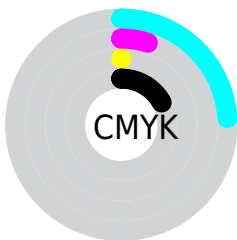
Distribution



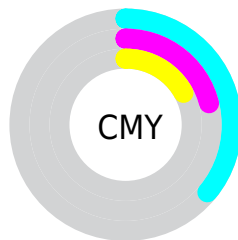
- Red (64%)
- Green (79%)
- Blue (83%)



- Red (64%)
- Yellow (72%)
- Blue (83%)



- Cyan (24%)
- Magenta (5%)
- Yellow (0%)
- Black (17%)





- Cyan (36%)
- Magenta (21%)
- Yellow (17%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 47.6706, 54.2081, 70.2381 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 47.6706, 54.2081, 70.2381 by changing the saturation by 10% instead.


 47.6706, 54.2081,
70.2381


 47.6706, 54.2081,
70.2381


368.0893,
402.9031, 480.1973

 33.7763, 38.7681,
51.2427


 85.9264, 96.3797,
121.2325

 22.8838, 26.5793,
36.0237


 111.0186,
123.8801, 154.0686

 14.6280, 17.2575,
24.1627


140.5742,
156.1694, 192.3553

 8.6433, 10.4183,
15.2410

174.9584,
193.6319, 236.5112

 4.5645, 5.6772,
8.8402

214.5367,
236.6522, 286.9548

 2.0262, 2.6498,
4.5417

259.6744,

 0.6486, 0.9518,

285.6145, 344.1047

1.9270

310.7368,
340.9034, 408.3793

■ 0.0000, 0.0000,
0.5098

■ 0.0000, 0.0000,
0.0000

■ 47.6706, 54.2081,
70.2381

■ 47.6706, 54.2081,
70.2381

■ 42.6517, 50.0327,
69.6976

■ 53.4518, 58.8281,
70.8260

■ 38.3535, 46.2761,
69.1990

■ 60.0244, 63.9043,
71.4594

■ 34.7378, 42.9195,
68.7417

■ 67.4222, 69.4556,
72.1410

■ 31.7608, 39.9398,
68.3235

■ 75.6753, 75.4980,
72.8724

■ 29.3733, 37.3113,
67.9420

■ 79.8654, 79.4966,
73.4233

■ 27.5187, 35.0043,
67.5944

■ 81.1383, 82.0424,
73.8476

■ 26.1285, 32.9830,
67.2775

■ 82.4458, 84.6575,
74.2835

■ 25.4059, 31.7977,
67.0868

■ 83.7883, 87.3424,
74.7310

■ 85.1659, 90.0977,
75.1902

Harmonies

Analogous

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



46.4320, 54.2081, 62.5874



47.6706, 54.2081, 70.2381



49.9616, 54.2081, 75.1126

Triad

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



47.6706, 54.2081, 70.2381



56.8712, 54.2081, 63.6580



50.3126, 54.2081, 45.1834

Complementary

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



47.6706, 54.2081, 70.2381



48.6172, 46.4932, 40.5953

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.



53.1170, 54.2081, 45.4133



47.6706, 54.2081, 70.2381



56.9736, 54.2081, 55.5974

Square

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



47.6706, 54.2081, 70.2381



55.3031, 54.2081, 71.0831



55.5779, 54.2081, 49.0709



47.9195, 54.2081, 48.4112

Rectangle

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



47.6706, 54.2081, 70.2381



51.8104, 54.2081, 75.8807



55.5779, 54.2081, 49.0709



51.2370, 54.2081, 44.8681

Sweetspot

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



47.6722, 54.2103, 70.2393



87.5454, 94.2908, 108.1936



45.9716, 57.7801, 48.1815



18.6061, 20.0804, 23.1452



0.0000, 0.0000, 0.0000



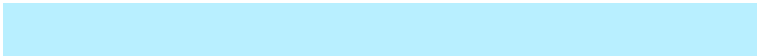
20.3446, 21.4041, 23.3091

Same Dimension

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



47.6722, 54.2103, 70.2393



68.6745, 79.2670, 106.2883



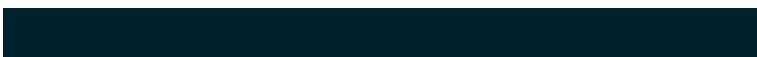
42.3431, 43.5521, 68.4630



12.5497, 13.6228, 15.9055



15.7610, 19.7838, 41.4411



1.0092, 1.3105, 2.5191

Inverse Universe

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



50.6156, 44.0561, 61.0967



73.9212, 61.6245, 89.8888



53.8300, 56.9188, 42.3329



12.8307, 12.5838, 15.0485



21.0143, 10.3420, 23.1771



1.2971, 0.6356, 1.5537

Previews

White Background



This preview shows how the XYZ color 47.6706, 54.2081, 70.2381 looks on a white background.

Color Contrast Check

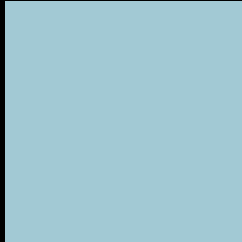
Large Text (above 18pt) WCAG AA × Fail

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 47.6706, 54.2081, 70.2381 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

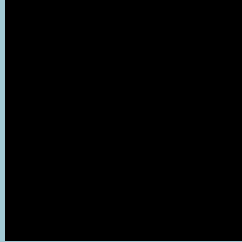
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 47.6706, 54.2081, 70.2381

Background



This preview shows how black text looks on a background with the XYZ color 47.6706, 54.2081, 70.2381.



This preview shows how white text looks on a background with the XYZ color 47.6706, 54.2081,

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

47.6706, 54.2081, 70.2381

Protanopia

52.5806, 54.1143, 66.7053

Deuteranopia

55.0919, 53.9980, 71.8090



Tritanopia

48.1532, 54.0530, 72.8611

Trichromacy



Original Color

47.6706, 54.2081, 70.2381

Protanomaly

50.5400, 54.0284, 68.0864

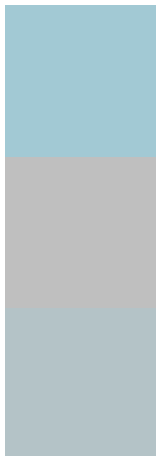
Deuteranomaly

51.9466, 53.6863, 71.2429

Tritanomaly

48.0243, 54.0014, 72.1821

Monochromacy



Original Color

47.6706, 54.2081, 70.2381

Achromatopsia

49.5206, 52.0996, 56.7364

Achromatomaly

48.6463, 52.8570, 61.6713

CSS Examples

Text

The CSS property to change the color of the text to XYZ 47.6706, 54.2081, 70.2381 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(162, 201, 212)` looks like.

```
.text, #text, p{  
    color:rgb(162, 201, 212)  
}
```

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(162, 201, 212) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(162, 201, 212) }
```

Border

The CSS property to change the border of an element to XYZ 47.6706, 54.2081, 70.2381 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(162, 201, 212) }
```


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

```
.border{ border-color:rgb(162, 201, 212) }
```

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

Here you see how a box with a 4 pixel `rgb(162, 201, 212)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(162, 201, 212); -webkit-box-  
shadow:4px 4px 4px 4px rgb(162, 201, 212);  
box-shadow:4px 4px 4px 4px rgb(162, 201,  
212) }
```

Background

The CSS property to change the background color of an element to XYZ 47.6706, 54.2081, 70.2381 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(162, 201, 212) }
```

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

```
.background{ background-color: rgb(162,  
201, 212) }
```

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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