

Converting Colors

XYZ(47.0422, 50.7054, 70.2602)

Have a look what the booklet for
XYZ(47.0422, 50.7054, 70.2602)
contains.

XYZ(47.2221, 50.9384, 70.2940)	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(47.2221, 50.9384,
70.2940)**

Conversions

Conversions Part 1

Format	Color
Hex	A9C0D5
RGB	169, 192, 213
RGB Percent	66%, 75%, 84%
CMY	0.3372, 0.2470, 0.1647
CMYK	0.21, 0.10, 0.00, 0.16
HSL	209°, 34%, 75%
HSV	209°, 21%, 84%
XYZ	47.2221, 50.9384, 70.2940
YIQ	187.5170, -20.4490, 1.6550

Conversions

Conversions Part 2

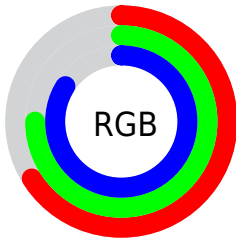
Format	Color
R _Y B	169, 184, 213
Decimal	11124949
CIE Lab	76.64, -3.31, -13.13
CIE LCh	77, 13.539, 255.857
Yxy	50.9384, 0.2803, 0.3024
Android (android.graphics.Color)	4289315029 (0xFFA9C0D5)
YUV	187.5170, 12.5631, -16.2394
Hunter-Lab	71.3711, -6.7965, -8.4354

Details

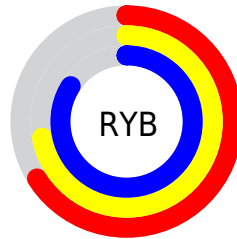
The XYZ color **47.2221, 50.9384, 70.2940** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **53.0160, 53.8378, 45.1349**, and the grayscale version is **47.4669, 49.9388, 54.3834**.

A 20% lighter version of the original color is **82.6687, 90.3624, 107.6923**, and **22.6066, 24.6469, 35.9136** is the 20% darker color. If you saturate the color by 10%, you get **40.8644, 44.4623, 69.3799**, and if you desaturate by 10%, it is **54.4815, 58.1107, 71.2966**.

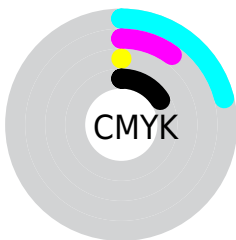
Distribution



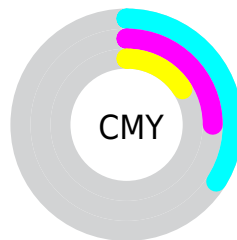
- Red (66%)
- Green (75%)
- Blue (84%)



- Red (66%)
- Yellow (72%)
- Blue (84%)



- Cyan (21%)
- Magenta (10%)
- Yellow (0%)
- Black (16%)



- Cyan (34%)
- Magenta (25%)
- Yellow (16%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 47.2221, 50.9384, 70.2940 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 47.2221, 50.9384, 70.2940 by changing the saturation by 10% instead.

■ 47.2221, 50.9384,
70.2940

■ 47.2221, 50.9384,
70.2940

366.3345,
390.3244, 480.3986

■ 33.4200, 36.1596,
51.2880

■ 85.2618, 91.5637,
121.3130

■ 22.6091, 24.5575,
36.0595

110.2300,
118.1790, 154.1630

■ 14.4243, 15.7477,
24.1901

139.6510,
149.5086, 192.4647

■ 8.5000, 9.3458,
15.2612

173.8901,
185.9368, 236.6368

■ 4.4710, 4.9674,
8.8543

213.3126,
227.8481, 287.0977

■ 1.9719, 2.2281,
4.5507

258.2840,

■ 0.6181, 0.7353,

275.6269, 344.2659

1.9321

309.1695,
329.6575, 408.5600

■ 0.0000, 0.0000,
0.5130

■ 0.0000, 0.0000,
0.0000

■ 47.2221, 50.9384,
70.2940

■ 47.2221, 50.9384,
70.2940

■ 40.8644, 44.4623,
69.3799

■ 54.4815, 58.1107,
71.2966

■ 35.3646, 38.6516,
68.5482

■ 62.6744, 65.9963,
72.3869

■ 30.6821, 33.4817,
67.7971

■ 71.8369, 74.6194,
73.5684

■ 26.7710, 28.9240,
67.1235

■ 82.0016, 84.0009,
74.8435

■ 23.5800, 24.9473,
66.5241

■ 85.2497, 90.0628,
75.8423

■ 21.0511, 21.5162,
65.9951

■ 88.3737, 96.3107,
76.8836

■ 19.1160, 18.5900,
65.5323

■ 89.0104, 97.5842,
77.0959

■ 17.7333, 16.2500,
65.1535

Harmonies

Analogous

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



45.0661, 50.9384, 66.2120



47.2221, 50.9384, 70.2940



49.7735, 50.9384, 70.1662

Triad

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



47.2221, 50.9384, 70.2940



53.3087, 50.9384, 51.6982



44.9669, 50.9384, 46.2094

Complementary

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



47.2221, 50.9384, 70.2940



53.0160, 53.8378, 45.1349

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.



47.0823, 50.9384, 42.9727



47.2221, 50.9384, 70.2940



51.9267, 50.9384, 45.9457

Square

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



47.2221, 50.9384, 70.2940



53.3494, 50.9384, 58.9812



49.6287, 50.9384, 42.8806



43.7955, 50.9384, 52.0881

Rectangle

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



47.2221, 50.9384, 70.2940



51.3577, 50.9384, 67.6970



49.6287, 50.9384, 42.8806



45.5877, 50.9384, 44.8000

Sweetspot

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



47.2236, 50.9405, 70.2952



87.3582, 92.6423, 107.8852



49.4008, 59.7218, 57.3731



18.5259, 19.6630, 23.0689



0.0000, 0.0000, 0.0000



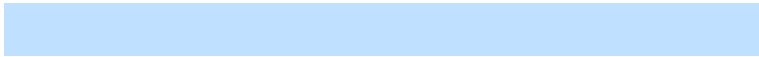
20.3446, 21.4041, 23.3091

Same Dimension

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



47.2236, 50.9405, 70.2952



66.4098, 71.9508, 104.9955



42.8360, 42.1651, 68.8326



12.2744, 13.0722, 15.8138



10.9351, 10.1321, 39.8325



0.7422, 0.7765, 2.4301

Inverse Universe

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



51.1442, 46.3291, 56.1183



73.4583, 64.0439, 79.4220



58.0299, 63.8656, 46.8062



12.6917, 12.5282, 14.3167



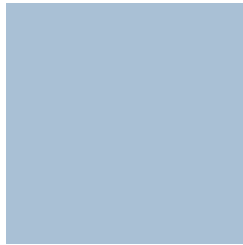
18.5784, 9.3677, 10.3499



1.1623, 0.5817, 0.8440

Previews

White Background



This preview shows how the XYZ color 47.2221, 50.9384, 70.2940 looks on a white background.

Color Contrast Check

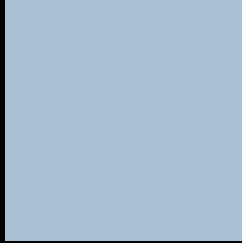
Large Text (above 18pt) WCAG AA × Fail

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 47.2221, 50.9384, 70.2940 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

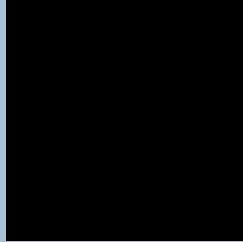
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

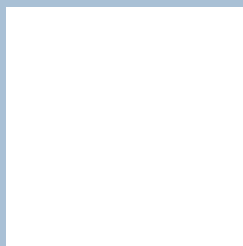
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 47.2221, 50.9384, 70.2940

Background



This preview shows how black text looks on a background with the XYZ color 47.2221, 50.9384, 70.2940.



This preview shows how white text looks on a background with the XYZ color 47.2221, 50.9384,

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

47.2221, 50.9384, 70.2940

Protanopia

49.6529, 50.6329, 68.1289

Deuteranopia

51.9119, 50.7894, 71.3573



Tritanopia

46.6036, 51.0188, 67.0659

Trichromacy



Original Color

47.2221, 50.9384, 70.2940

Protanomaly

48.7779, 50.8016, 68.8628

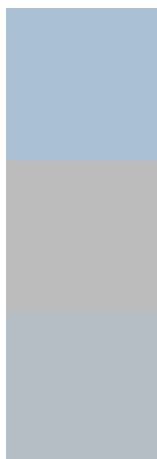
Deuteranomaly

50.1576, 50.8348, 70.7868

Tritanomaly

46.8513, 51.1179, 68.3702

Monochromacy



Original Color

47.2221, 50.9384, 70.2940

Achromatopsia

47.7994, 50.2886, 54.7643

Achromatomaly

47.3317, 50.2502, 60.0279

CSS Examples

Text

The CSS property to change the color of the text to XYZ 47.2221, 50.9384, 70.2940 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(169, 192, 213)` looks like.

```
.text, #text, p{  
    color:rgb(169, 192, 213)  
}
```

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(169, 192, 213) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(169, 192, 213) }
```

Border

The CSS property to change the border of an element to XYZ 47.2221, 50.9384, 70.2940 is called "border". The border property can be set on classes, ids or directly on the HTML element.

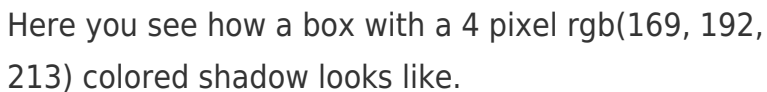
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(169, 192, 213) }
```


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

```
.border{ border-color:rgb(169, 192, 213) }
```

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



Here you see how a box with a 4 pixel `rgb(169, 192, 213)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(169, 192, 213); -webkit-box-  
shadow:4px 4px 4px 4px rgb(169, 192, 213);  
box-shadow:4px 4px 4px 4px rgb(169, 192,  
213) }
```

Background

The CSS property to change the background color of an element to XYZ 47.2221, 50.9384, 70.2940 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(169, 192, 213) }
```

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

```
.background{ background-color: rgb(169,  
192, 213) }
```

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