

Converting Colors

XYZ(46.3778, 50.9139, 70.7865)

Have a look what the booklet for
XYZ(46.3778, 50.9139, 70.7865)
contains.

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Color

**XYZ(46.3118, 50.7815,
70.9792)**

Conversions

Conversions Part 1

Format	Color
Hex	A3C1D6
RGB	163, 193, 214
RGB Percent	64%, 76%, 84%
CMY	0.3608, 0.2431, 0.1608
CMYK	0.24, 0.10, 0.00, 0.16
HSL	205°, 38%, 74%
HSV	205°, 24%, 84%
XYZ	46.3118, 50.7815, 70.9792
YIQ	186.4240, -24.6210, 0.1710

Conversions

Conversions Part 2

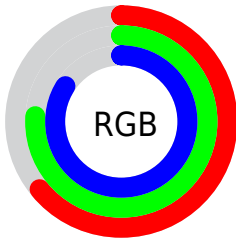
Format	Color
R _Y B	163, 182, 214
Decimal	10731990
CIE Lab	76.55, -5.46, -13.85
CIE LCh	77, 14.889, 248.492
Yxy	50.7815, 0.2755, 0.3021
Android (android.graphics.Color)	4288922070 (0xFFA3C1D6)
YUV	186.4240, 13.5950, -20.5428
Hunter-Lab	71.2611, -8.7019, -9.1726

Details

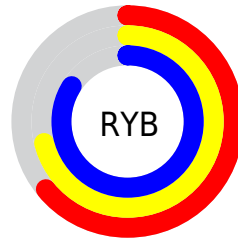
The XYZ color **46.3118, 50.7815, 70.9792** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **51.4834, 51.2216, 41.8248**, and the grayscale version is **46.8471, 49.2868, 53.6733**.

A 20% lighter version of the original color is **81.1391, 90.0314, 107.7091**, and **22.0665, 24.5744, 36.3812** is the 20% darker color. If you saturate the color by 10%, you get **40.4056, 44.9320, 70.1623**, and if you desaturate by 10%, it is **53.0786, 57.2494, 71.8718**.

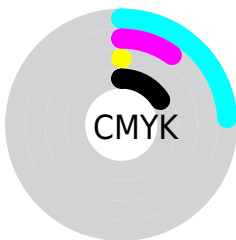
Distribution



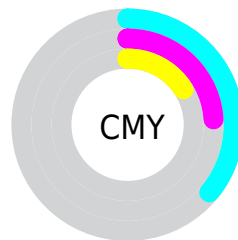
- Red (64%)
- Green (76%)
- Blue (84%)



- Red (64%)
- Yellow (71%)
- Blue (84%)



- Cyan (24%)
- Magenta (10%)
- Yellow (0%)
- Black (16%)



- Cyan (36%)
- Magenta (24%)
- Yellow (16%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 46.3118, 50.7815, 70.9792 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 46.3118, 50.7815, 70.9792 by changing the saturation by 10% instead.

■ 46.3118, 50.7815,
70.9792

■ 46.3118, 50.7815,
70.9792

362.7557,
389.7143, 482.8624

■ 32.6976, 36.0347,
51.8435

■ 83.9105, 91.3317,
122.2983

■ 22.0530, 24.4610,
36.4990

■ 108.6256,
117.9040, 155.3187

■ 14.0127, 15.6760,
24.5271

137.7718,
149.1868, 193.8045

■ 8.2112, 9.2952,
15.5092

171.7144,
185.5647, 238.1742

■ 4.2834, 4.9342,
9.0270

210.8187,
227.4220, 288.8463

■ 1.8637, 2.2087,
4.6617

255.4502,

■ 0.5556, 0.7247,

275.1431, 346.2393

1.9949

305.9740,
329.1124, 410.7719

■ 0.0000, 0.0000,
0.5522

■ 0.0000, 0.0000,
0.0000

■ 46.3118, 50.7815,
70.9792

■ 46.3118, 50.7815,
70.9792

■ 40.4056, 44.9320,
70.1623

■ 53.0786, 57.2494,
71.8718

■ 35.3160, 39.6716,
69.4152

■ 60.7380, 64.3514,
72.8390

■ 31.0020, 34.9772,
68.7364

■ 69.3259, 72.1101,
73.8839

■ 27.4169, 30.8217,
68.1233

■ 78.8748, 80.5450,
75.0087

■ 24.5082, 27.1748,
67.5727

■ 83.6788, 86.7172,
75.9469

■ 22.2158, 24.0022,
67.0811

■ 86.2937, 91.9471,
76.8185

■ 20.4671, 21.2630,
66.6446

■ 89.0358, 97.4311,
77.7325

■ 19.5849, 19.7493,
66.3989

■ 89.1378, 97.6351,
77.7665

Harmonies

Analogous

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



44.1585, 50.7815, 65.4965



46.3118, 50.7815, 70.9792



49.0688, 50.7815, 72.0572

Triad

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



46.3118, 50.7815, 70.9792



53.8114, 50.7815, 53.0381



44.9800, 50.7815, 44.0409

Complementary

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



46.3118, 50.7815, 70.9792



51.4834, 51.2216, 41.8248

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.



47.4726, 50.7815, 41.3532



46.3118, 50.7815, 70.9792



52.6212, 50.7815, 46.2074

Square

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



46.3118, 50.7815, 70.9792



53.4711, 50.7815, 61.1636



50.2750, 50.7815, 42.1060



43.4107, 50.7815, 49.8095

Rectangle

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



46.3118, 50.7815, 70.9792



50.8906, 50.7815, 70.0421



50.2750, 50.7815, 42.1060



45.7338, 50.7815, 42.7740

Sweetspot

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



46.3133, 50.7836, 70.9804



86.4853, 92.1706, 107.8402



47.7408, 59.3162, 53.9524



18.3602, 19.5887, 23.0633



0.0000, 0.0000, 0.0000



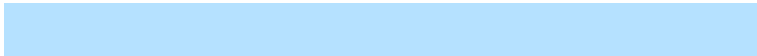
20.3446, 21.4041, 23.3091

Same Dimension

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



46.3133, 50.7836, 70.9804



63.9224, 70.6590, 104.8772



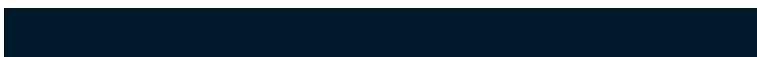
41.2640, 40.6849, 69.2973



12.3436, 13.2107, 15.8369



11.9424, 12.1466, 40.1682



0.8010, 0.8939, 2.4496

Inverse Universe

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



50.4556, 44.3420, 56.3539



71.3038, 59.7400, 78.6879



57.1192, 62.4933, 43.7034



12.7266, 12.5422, 14.5008



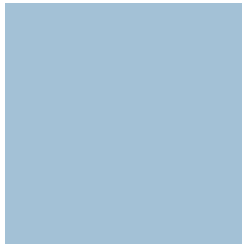
19.0868, 9.5710, 13.0272



1.1919, 0.5936, 1.0001

Previews

White Background



This preview shows how the XYZ color 46.3118, 50.7815, 70.9792 looks on a white background.

Color Contrast Check

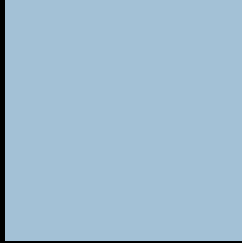
Large Text (above 18pt) WCAG AA × Fail

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 46.3118, 50.7815, 70.9792 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

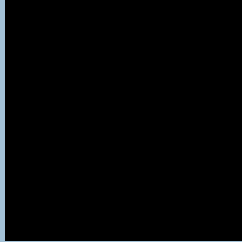
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

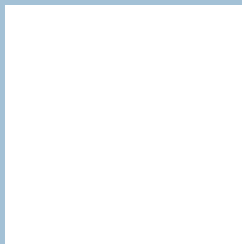
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 46.3118, 50.7815, 70.9792

Background



This preview shows how black text looks on a background with the XYZ color 46.3118, 50.7815, 70.9792.



This preview shows how white text looks on a background with the XYZ color 46.3118, 50.7815,

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

46.3118, 50.7815, 70.9792

Protanopia

49.4108, 50.5081, 68.1176

Deuteranopia

51.7833, 50.7082, 72.0241



Tritanopia

45.7007, 50.8684, 67.7315

Trichromacy



Original Color

46.3118, 50.7815, 70.9792

Protanomaly

48.0869, 50.4455, 68.8305

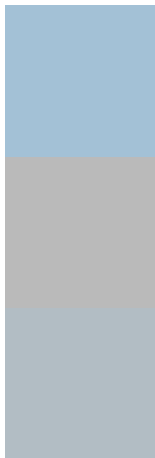
Deuteranomaly

49.5645, 50.5142, 71.4279

Tritanomaly

45.9499, 50.9681, 69.0440

Monochromacy



Original Color

46.3118, 50.7815, 70.9792

Achromatopsia

46.6715, 49.1021, 53.4722

Achromatomaly

46.5215, 49.8457, 59.3938

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.3118, 50.7815, 70.9792 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(163, 193, 214)` looks like.

```
.text, #text, p{  
    color:rgb(163, 193, 214)  
}
```

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(163, 193, 214) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(163, 193, 214) }
```

Border

The CSS property to change the border of an element to XYZ 46.3118, 50.7815, 70.9792 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(163, 193, 214) }
```


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

```
.border{ border-color:rgb(163, 193, 214) }
```

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

Here you see how a box with a 4 pixel `rgb(163, 193, 214)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(163, 193, 214); -webkit-box-  
shadow:4px 4px 4px 4px rgb(163, 193, 214);  
box-shadow:4px 4px 4px 4px rgb(163, 193,  
214) }
```

Background

The CSS property to change the background color of an element to XYZ 46.3118, 50.7815, 70.9792 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(163, 193, 214) }
```

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

```
.background{ background-color: rgb(163,  
193, 214) }
```

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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