

Converting Colors

XYZ(42.0727, 47.2867, 66.5936)

Have a look what the booklet for
XYZ(42.0727, 47.2867, 66.5936)
contains.

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Color

**XYZ(42.1604, 47.4333,
66.6080)**

Conversions

Conversions Part 1

Format	Color
Hex	96BDD0
RGB	150, 189, 208
RGB Percent	59%, 74%, 82%
CMY	0.4118, 0.2588, 0.1843
CMYK	0.28, 0.09, 0.00, 0.18
HSL	200°, 38%, 70%
HSV	200°, 28%, 82%
XYZ	42.1604, 47.4333, 66.6080
YIQ	179.5050, -29.3430, -2.3590

Conversions

Conversions Part 2

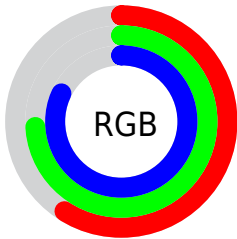
Format	Color
RYB	150, 173, 208
Decimal	9878992
CIELab	74.47, -8.62, -13.80
CIElCh	74, 16.273, 238.023
Yxy	47.4333, 0.2699, 0.3037
Android (android.graphics.Color)	4288069072 (0xFF96BDD0)
YUV	179.5050, 14.0480, -25.8759
Hunter-Lab	68.8718, -11.2556, -9.1308

Details

The XYZ color **42.1604, 47.4333, 66.6080** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **45.7059, 43.9880, 34.9367**, and the grayscale version is **43.0569, 45.2992, 49.3308**.

A 20% lighter version of the original color is **75.8792, 85.5040, 107.1124**, and **19.5667, 22.4828, 33.8802** is the 20% darker color. If you saturate the color by 10%, you get **37.2364, 42.7712, 65.9684**, and if you desaturate by 10%, it is **47.8356, 52.5872, 67.3045**.

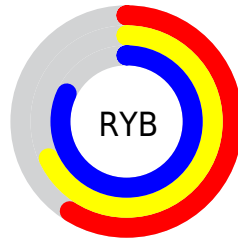
Distribution



Red (59%)

Green (74%)

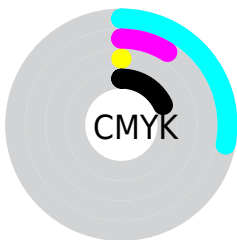
Blue (82%)



Red (59%)

Yellow (68%)

Blue (82%)

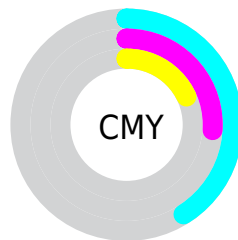


Cyan (28%)

Magenta (9%)

Yellow (0%)

Black (18%)



Cyan (41%)

Magenta (26%)

Yellow (18%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 42.1604, 47.4333, 66.6080 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 42.1604, 47.4333, 66.6080 by changing the saturation by 10% instead.

■ 42.1604, 47.4333,
66.6080

■ 42.1604, 47.4333,
66.6080

346.1278,
376.5414, 467.0116

■ 29.4186, 33.3783,
48.3065

■ 77.7060, 86.3600,
115.9938

■ 19.5436, 22.4164,
33.7080

■ 101.2404,
112.0006, 147.9153

■ 12.1700, 14.1632,
22.3938

129.1031,
142.2718, 185.2138

■ 6.9326, 8.2343,
13.9455

161.6594,
177.5581, 228.3080

■ 3.4659, 4.2452,
7.9444

199.2747,
218.2438, 277.6163

■ 1.4047, 1.8117,
3.9721

242.3142,

■ 0.2596, 0.4944,

264.7133, 333.5573

1.6101

291.1435,
317.3511, 396.5496

■ 0.0000, 0.0000,
0.2980

■ 0.0000, 0.0000,
0.0000

■ 42.1604, 47.4333,
66.6080

■ 42.1604, 47.4333,
66.6080

■ 37.2364, 42.7712,
65.9684

■ 47.8356, 52.5872,
67.3045

■ 33.0223, 38.5747,
65.3805

■ 54.2917, 58.2461,
68.0565

■ 29.4793, 34.8236,
64.8433

■ 61.5623, 64.4297,
68.8668

■ 26.5631, 31.4936,
64.3542

■ 69.6774, 71.1550,
69.7372

■ 24.2232, 28.5572,
63.9107

■ 78.6656, 78.4378,
70.6692

■ 22.4008, 25.9825,
63.5098

■ 80.8894, 82.3422,
71.3057

■ 21.0114, 23.7245,
63.1472

■ 82.8214, 86.2062,
71.9496

■ 20.7445, 23.2725,
63.0740

■ 84.8283, 90.2200,
72.6186

■ 86.9109, 94.3853,
73.3128

Harmonies

Analogous

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



40.2827, 47.4333, 59.6197



42.1604, 47.4333, 66.6080



44.8895, 47.4333, 69.5449

Triad

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



42.1604, 47.4333, 66.6080



50.9634, 47.4333, 52.2065



42.4838, 47.4333, 38.6510

Complementary

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



42.1604, 47.4333, 66.6080



45.7059, 43.9880, 34.9367

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.



45.2789, 47.4333, 37.1175



42.1604, 47.4333, 66.6080



50.2523, 47.4333, 44.4184

Square

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



42.1604, 47.4333, 66.6080



50.0432, 47.4333, 60.6891



48.1396, 47.4333, 39.1126



40.4636, 47.4333, 43.5505

Rectangle

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



42.1604, 47.4333, 66.6080



46.8529, 47.4333, 68.5939



48.1396, 47.4333, 39.1126



43.3601, 47.4333, 37.7498

Sweetspot

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



42.1618, 47.4352, 66.6091



85.8443, 92.1447, 107.8690



42.2366, 54.4375, 45.5075



18.0240, 19.4197, 23.0484



0.0000, 0.0000, 0.0000



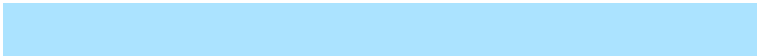
20.3446, 21.4041, 23.3091

Same Dimension

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



42.1618, 47.4352, 66.6091



62.4006, 71.0385, 105.0307



36.6447, 36.4009, 64.7700



11.8184, 12.7271, 15.0773



13.0204, 14.6873, 39.3412



0.7988, 0.9627, 2.2233

Inverse Universe

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



46.1052, 38.8978, 53.2243



69.7001, 55.8994, 80.1055



51.5680, 55.7121, 36.8907



12.1393, 11.9404, 14.0091



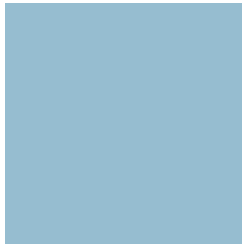
19.2028, 9.5540, 16.5060



1.1094, 0.5485, 1.1109

Previews

White Background



This preview shows how the XYZ color 42.1604, 47.4333, 66.6080 looks on a white background.

Color Contrast Check

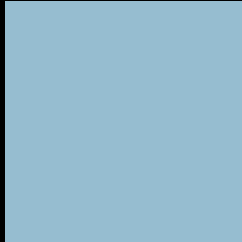
Large Text (above 18pt) WCAG AA × Fail

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 42.1604, 47.4333, 66.6080 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 42.1604, 47.4333, 66.6080

Background



This preview shows how black text looks on a background with the XYZ color 42.1604, 47.4333, 66.6080.



This preview shows how white text looks on a background with the XYZ color 42.1604, 47.4333,

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

42.1604, 47.4333, 66.6080

Protanopia

46.1258, 47.0628, 63.1529

Deuteranopia

48.0468, 47.0587, 67.5237



Tritanopia

41.8273, 47.6243, 64.7455

Trichromacy



Original Color

42.1604, 47.4333, 66.6080

Protanomaly

44.5221, 47.1238, 64.5068

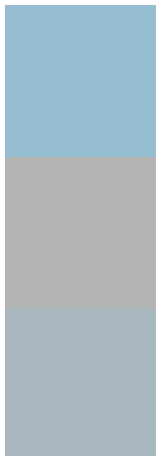
Deuteranomaly

45.6921, 47.0580, 66.9965

Tritanomaly

41.9485, 47.6727, 65.3834

Monochromacy



Original Color

42.1604, 47.4333, 66.6080

Achromatopsia

43.3819, 45.6411, 49.7032

Achromatomaly

42.5899, 46.0197, 55.3532

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.1604, 47.4333, 66.6080 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(150, 189, 208)` looks like.

```
.text, #text, p{  
    color:rgb(150, 189, 208)  
}
```

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(150, 189, 208) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(150, 189, 208) }
```

Border

The CSS property to change the border of an element to XYZ 42.1604, 47.4333, 66.6080 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(150, 189, 208) }
```


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

```
.border{ border-color:rgb(150, 189, 208) }
```

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

Here you see how a box with a 4 pixel `rgb(150, 189, 208)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(150, 189, 208); -webkit-box-  
shadow:4px 4px 4px 4px rgb(150, 189, 208);  
box-shadow:4px 4px 4px 4px rgb(150, 189,  
208) }
```

Background

The CSS property to change the background color of an element to XYZ 42.1604, 47.4333, 66.6080 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(150, 189, 208) }
```

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

```
.background{ background-color: rgb(150,  
189, 208) }
```

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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