

Converting Colors

XYZ(42.2358, 47.6540, 65.7155)

Have a look what the booklet for
XYZ(42.2358, 47.6540, 65.7155)
contains.

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Color

**XYZ(42.4384, 47.9112,
66.0425)**

Conversions

Conversions Part 1

Format	Color
Hex	97BECF
RGB	151, 190, 207
RGB Percent	59%, 75%, 81%
CMY	0.4078, 0.2549, 0.1882
CMYK	0.27, 0.08, 0.00, 0.19
HSL	198°, 37%, 70%
HSV	198°, 27%, 81%
XYZ	42.4384, 47.9112, 66.0425
YIQ	180.2770, -28.7010, -2.9810

Conversions

Conversions Part 2

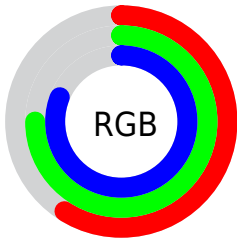
Format	Color
RYB	151, 174, 207
Decimal	9944783
CIELab	74.77, -9.09, -12.80
CIELCh	75, 15.697, 234.628
Yxy	47.9112, 0.2714, 0.3064
Android (android.graphics.Color)	4288134863 (0xFF97BECF)
YUV	180.2770, 13.1744, -25.6759
Hunter-Lab	69.2179, -11.6907, -8.1175

Details

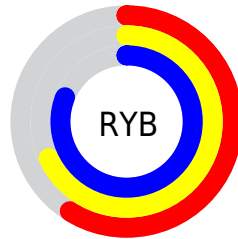
The XYZ color **42.4384, 47.9112, 66.0425** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **45.3212, 43.5053, 35.2879**, and the grayscale version is **43.4748, 45.7389, 49.8096**.

A 20% lighter version of the original color is **76.4594, 86.2533, 107.2265**, and **19.7324, 22.7879, 33.4955** is the 20% darker color. If you saturate the color by 10%, you get **37.5975, 43.4398, 65.4354**, and if you desaturate by 10%, it is **48.0154, 52.8515, 66.7029**.

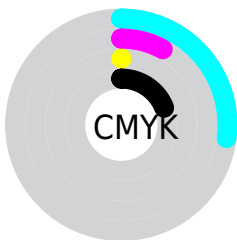
Distribution



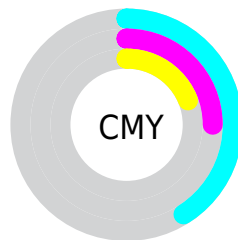
- Red (59%)
- Green (75%)
- Blue (81%)



- Red (59%)
- Yellow (68%)
- Blue (81%)



- Cyan (27%)
- Magenta (8%)
- Yellow (0%)
- Black (19%)



- Cyan (41%)
- Magenta (25%)
- Yellow (19%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 42.4384, 47.9112, 66.0425 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 42.4384, 47.9112, 66.0425 by changing the saturation by 10% instead.

■ 42.4384, 47.9112,
66.0425

■ 42.4384, 47.9112,
66.0425

347.2579,
378.4400, 464.9372

■ 29.6373, 33.7566,
47.8502

■ 78.1237, 87.0722,
115.1749

■ 19.7102, 22.7067,
33.3491

■ 101.7387,
112.8473, 146.9521

■ 12.2916, 14.3771,
22.1207

129.6889,
143.2647, 184.0947

■ 7.0162, 8.3834,
13.7465

162.3399,
178.7088, 227.0212

■ 3.5187, 4.3412,
7.8078

200.0569,
219.5640, 276.1502

■ 1.4336, 1.8662,
3.8862

243.2054,

■ 0.2800, 0.5279,

266.2147, 331.9001

1.5631

292.1506,
319.0452, 394.6896

■ 0.0000, 0.0000,
0.2643

■ 0.0000, 0.0000,
0.0000

■ 42.4384, 47.9112,
66.0425

■ 42.4384, 47.9112,
66.0425

■ 37.5975, 43.4398,
65.4354

■ 48.0154, 52.8515,
66.7029

■ 33.4523, 39.4119,
64.8764

■ 54.3575, 58.2732,
67.4152

■ 29.9651, 35.8082,
64.3646

■ 61.4975, 64.1955,
68.1820

■ 27.0925, 32.6050,
63.8977

■ 69.4648, 70.6345,
69.0049

■ 24.7856, 29.7762,
63.4733

■ 78.2874, 77.6057,
69.8855

■ 22.9872, 27.2909,
63.0884

■ 80.1643, 81.0884,
70.4588

■ 21.6212, 25.1088,
62.7392

■ 81.9214, 84.6027,
71.0445

■ 21.2616, 24.5030,
62.6412

■ 83.7420, 88.2438,
71.6513

■ 85.6266, 92.0131,
72.2795

Harmonies

Analogous

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



40.7352, 47.9112, 58.9860



42.4384, 47.9112, 66.0425



45.0270, 47.9112, 69.4083

Triad

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



42.4384, 47.9112, 66.0425



51.2161, 47.9112, 53.6505



43.2920, 47.9112, 39.1592

Complementary

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



42.4384, 47.9112, 66.0425



45.3212, 43.5053, 35.2879

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.



46.0532, 47.9112, 38.0474



42.4384, 47.9112, 66.0425



50.7046, 47.9112, 45.8952

Square

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



42.4384, 47.9112, 66.0425



50.1553, 47.9112, 61.7919



48.7853, 47.9112, 40.3856



41.2134, 47.9112, 43.5977

Rectangle

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



42.4384, 47.9112, 66.0425



46.9365, 47.9112, 68.8775



48.7853, 47.9112, 40.3856



44.1679, 47.9112, 38.4049

Sweetspot

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



42.4398, 47.9131, 66.0436



85.9954, 92.4468, 107.9193



42.1255, 54.0256, 45.1569



18.0622, 19.4960, 23.0611



0.0000, 0.0000, 0.0000



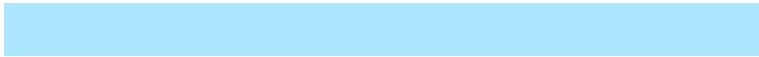
20.3446, 21.4041, 23.3091

Same Dimension

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



42.4398, 47.9131, 66.0436



63.7335, 72.8726, 105.3144



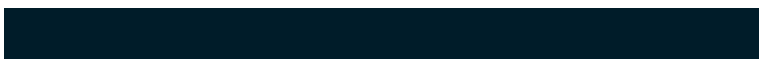
36.9816, 36.9966, 64.2242



11.8429, 12.7761, 15.0855



13.4823, 15.6112, 39.4952



0.8219, 1.0091, 2.2310

Inverse Universe

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



46.0941, 39.1174, 53.8383



70.5759, 57.0270, 82.3212



51.0137, 54.8904, 37.1854



12.1516, 11.9454, 14.0741



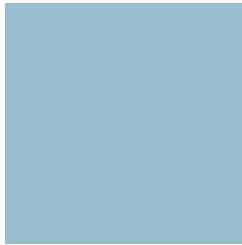
19.4360, 9.6472, 17.7338



1.1211, 0.5532, 1.1726

Previews

White Background



This preview shows how the XYZ color 42.4384, 47.9112, 66.0425 looks on a white background.

Color Contrast Check

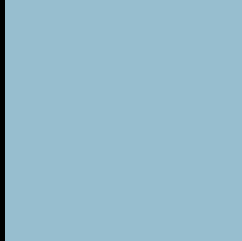
Large Text (above 18pt) WCAG AA × Fail

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 42.4384, 47.9112, 66.0425 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 42.4384, 47.9112, 66.0425

Background



This preview shows how black text looks on a background with the XYZ color 42.4384, 47.9112, 66.0425.



This preview shows how white text looks on a background with the XYZ color 42.4384, 47.9112,

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

42.4384, 47.9112, 66.0425

Protanopia

46.4447, 47.5439, 62.6061

Deuteranopia

48.6150, 47.6625, 66.9591



Tritanopia

42.1954, 47.8140, 64.7627

Trichromacy



Original Color

42.4384, 47.9112, 66.0425

Protanomaly

44.8256, 47.6036, 63.9526

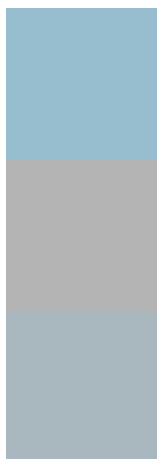
Deuteranomaly

45.9978, 47.5350, 66.4253

Tritanomaly

42.3165, 47.8625, 65.4006

Monochromacy



Original Color

42.4384, 47.9112, 66.0425

Achromatopsia

43.3819, 45.6411, 49.7032

Achromatomaly

42.7969, 46.4337, 55.4222

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.4384, 47.9112, 66.0425 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(151, 190, 207)` looks like.

```
.text, #text, p{  
    color:rgb(151, 190, 207)  
}
```

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(151, 190, 207) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(151, 190, 207) }
```

Border

The CSS property to change the border of an element to XYZ 42.4384, 47.9112, 66.0425 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(151, 190, 207) }
```


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

```
.border{ border-color:rgb(151, 190, 207) }
```

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

Here you see how a box with a 4 pixel `rgb(151, 190, 207)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(151, 190, 207); -webkit-box-shadow:4px 4px 4px 4px rgb(151, 190, 207); box-shadow:4px 4px 4px 4px rgb(151, 190, 207) }
```

Background

The CSS property to change the background color of an element to XYZ 42.4384, 47.9112, 66.0425 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(151, 190, 207) }
```

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

```
.background{ background-color: rgb(151,  
190, 207) }
```

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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