

Converting Colors

XYZ(42.1734, 46.9736, 53.2868)

Have a look what the booklet for
XYZ(42.1734, 46.9736, 53.2868)
contains.

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Color

**XYZ(42.3591, 47.1928,
53.3309)**

Conversions

Conversions Part 1

Format	Color
Hex	A6BBBA
RGB	166, 187, 186
RGB Percent	65%, 73%, 73%
CMY	0.3490, 0.2667, 0.2706
CMYK	0.11, 0.00, 0.01, 0.27
HSL	177°, 13%, 69%
HSV	177°, 11%, 73%
XYZ	42.3591, 47.1928, 53.3309
YIQ	180.6070, -12.1950, -4.7630

Conversions

Conversions Part 2

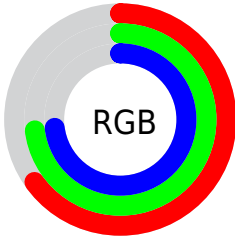
Format	Color
RYB	166, 177, 187
Decimal	10927034
CIELab	74.31, -7.36, -1.94
CIELCh	74, 7.611, 194.777
Yxy	47.1928, 0.2965, 0.3303
Android (android.graphics.Color)	4289117114 (0xFFA6BBBA)
YUV	180.6070, 2.6587, -12.8103
Hunter-Lab	68.6970, -10.1553, 2.0599

Details

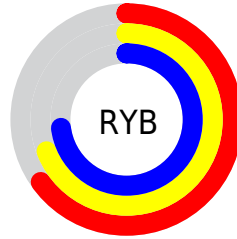
The XYZ color **42.3591, 47.1928, 53.3309** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **41.1065, 40.6285, 42.2368**, and the grayscale version is **43.7008, 45.9766, 50.0685**.

A 20% lighter version of the original color is **77.8964, 85.8841, 96.4761**, and **19.6982, 22.3211, 25.4605** is the 20% darker color. If you saturate the color by 10%, you get **38.6263, 45.2807, 52.6631**, and if you desaturate by 10%, it is **46.6652, 49.4030, 54.0306**.

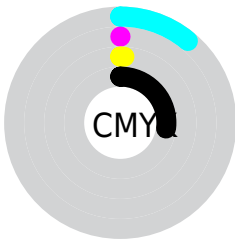
Distribution



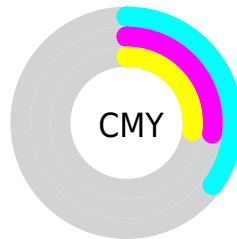
- Red (65%)
- Green (73%)
- Blue (73%)



- Red (65%)
- Yellow (69%)
- Blue (73%)



- Cyan (11%)
- Magenta (0%)
- Yellow (1%)
- Black (27%)



- Cyan (35%)
- Magenta (27%)
- Yellow (27%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 42.3591, 47.1928, 53.3309 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 42.3591, 47.1928, 53.3309 by changing the saturation by 10% instead.

■ 42.3591, 47.1928,
53.3309

■ 42.3591, 47.1928,
53.3309

346.9357,
375.5836, 416.6556

■ 29.5749, 33.1881,
37.6775

■ 78.0046, 86.0013,
96.5376

■ 19.6626, 22.2706,
25.4326

■ 101.5966,
111.5740, 124.9279

■ 12.2569, 14.0559,
16.1777

129.5219,
141.7714, 158.4009

■ 6.9923, 8.1595,
9.4943

162.1459,
176.9779, 197.3752

■ 3.5036, 4.1972,
4.9638

199.8339,
217.5780, 242.2693

■ 1.4253, 1.7845,
2.1676

242.9513,

■ 0.2742, 0.4775,

263.9561, 293.5017

0.6556

291.8635,
316.4965, 351.4909

■ 0.0000, 0.0000,
0.0000

■ 42.3591, 47.1928,
53.3309

■ 42.3591, 47.1928,
53.3309

■ 38.6263, 45.2807,
52.6631

■ 46.6652, 49.4030,
54.0306

■ 35.4382, 43.6480,
52.0230

■ 51.5637, 51.9171,
54.7600

■ 32.7701, 42.2833,
51.4103

■ 57.0775, 54.7485,
55.5214

■ 30.5933, 41.1719,
50.8236

■ 63.2273, 57.9076,
56.3157

■ 28.8767, 40.2977,
50.2615

■ 68.3565, 60.5405,
57.0654

■ 27.5857, 39.6427,
49.7225

■ 68.4547, 60.5798,
57.5827

■ 26.6805, 39.1866,
49.2045

■ 68.5536, 60.6193,
58.1031

■ 26.1141, 38.9050,
48.7055

■ 68.6530, 60.6591,
58.6268

■ 25.8146, 38.7598,
48.2797

■ 68.7530, 60.6991,
59.1536

Harmonies

Analogous

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



42.3642, 47.1928, 49.4317



42.3591, 47.1928, 53.3309



43.0135, 47.1928, 56.8771

Triad

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



42.3591, 47.1928, 53.3309



46.7342, 47.1928, 56.9215



45.5497, 47.1928, 44.4517

Complementary

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



42.3591, 47.1928, 53.3309



41.1065, 40.6285, 42.2368

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.



46.7490, 47.1928, 46.2582



42.3591, 47.1928, 53.3309



47.4423, 47.1928, 53.3890

Square

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



42.3591, 47.1928, 53.3309



45.5298, 47.1928, 59.0206



47.4478, 47.1928, 49.4869



44.1876, 47.1928, 44.4379

Rectangle

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



42.3591, 47.1928, 53.3309



43.7435, 47.1928, 58.5075



47.4478, 47.1928, 49.4869



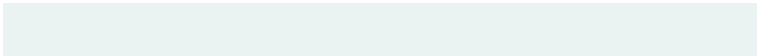
45.9859, 47.1928, 44.8652

Sweetspot

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



42.3605, 47.1948, 53.3319



82.0942, 87.7174, 96.5323



40.6015, 46.5167, 42.9158



17.9359, 19.2437, 21.2355



90.7827, 95.5105, 104.0109



18.6292, 19.5994, 21.3438

Same Dimension

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



42.3605, 47.1948, 53.3319



74.4604, 83.8020, 95.2714



40.5279, 43.3583, 53.2490



9.7884, 10.8015, 12.1350



17.7934, 26.7076, 33.3045



0.7031, 1.0486, 1.3368

Inverse Universe

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



41.1065, 40.6285, 42.2368



71.8545, 70.1563, 72.2147



42.7958, 44.1550, 42.3443



9.5481, 9.5436, 10.0095



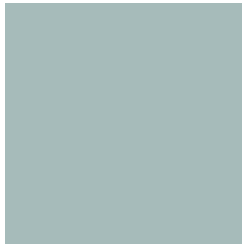
14.1616, 7.2958, 0.8786



0.5611, 0.2883, 0.0680

Previews

White Background



This preview shows how the XYZ color 42.3591, 47.1928, 53.3309 looks on a white background.

Color Contrast Check

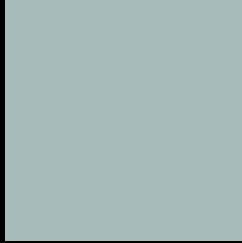
Large Text (above 18pt) WCAG AA × Fail

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 42.3591, 47.1928, 53.3309 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

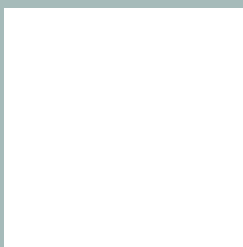
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 42.3591, 47.1928, 53.3309

Background



This preview shows how black text looks on a background with the XYZ color 42.3591, 47.1928, 53.3309.

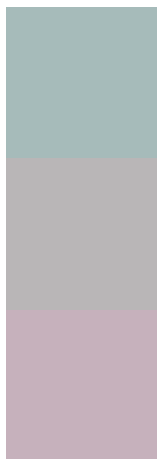


This preview shows how white text looks on a background with the XYZ color 42.3591, 47.1928,

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

42.3591, 47.1928, 53.3309

Protanopia

45.2828, 47.1891, 51.5215

Deuteranopia

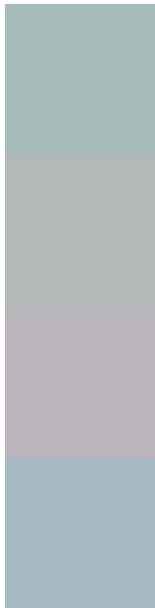
48.0879, 47.0809, 54.1300



Tritanopia

43.9227, 47.1929, 61.4377

Trichromacy



Original Color

42.3591, 47.1928, 53.3309

Protanomaly

44.1523, 47.2066, 52.1321

Deuteranomaly

45.7432, 47.0747, 53.6891

Tritanomaly

43.3456, 47.2734, 58.4699

Monochromacy



Original Color

42.3591, 47.1928, 53.3309

Achromatopsia

43.9204, 46.2077, 50.3202

Achromatomaly

43.3852, 46.5160, 51.4916

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.3591, 47.1928, 53.3309 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(166, 187, 186) looks like.

```
.text, #text, p{  
    color:rgb(166, 187, 186)  
}
```

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(166, 187, 186) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 187, 186) }
```

Border

The CSS property to change the border of an element to XYZ 42.3591, 47.1928, 53.3309 is called "border". The border property can be set on classes, ids or directly on the HTML element.

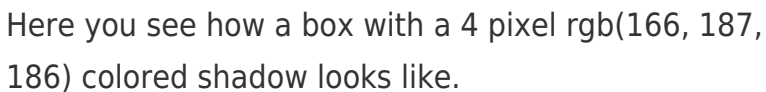
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(166, 187, 186) }
```


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

```
.border{ border-color:rgb(166, 187, 186) }
```

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



Here you see how a box with a 4 pixel `rgb(166, 187, 186)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(166, 187, 186); -webkit-box-shadow:4px 4px 4px 4px rgb(166, 187, 186); box-shadow:4px 4px 4px 4px rgb(166, 187, 186) }
```

Background

The CSS property to change the background color of an element to XYZ 42.3591, 47.1928, 53.3309 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 187, 186) }
```

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

```
.background{ background-color: rgb(166,  
187, 186) }
```

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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