

Converting Colors

XYZ(42.0236, 48.7785, 64.3270)

Have a look what the booklet for
XYZ(42.0236, 48.7785, 64.3270)
contains.

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Color

**XYZ(42.0017, 48.7026,
64.3136)**

Conversions

Conversions Part 1

Format	Color
Hex	93C1CC
RGB	147, 193, 204
RGB Percent	58%, 76%, 80%
CMY	0.4235, 0.2431, 0.2000
CMYK	0.28, 0.05, 0.00, 0.20
HSL	192°, 36%, 69%
HSV	192°, 28%, 80%
XYZ	42.0017, 48.7026, 64.3136
YIQ	180.5000, -30.9470, -6.3310

Conversions

Conversions Part 2

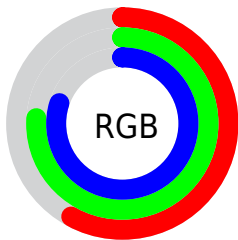
Format	Color
RYB	147, 172, 204
Decimal	9683404
CIELab	75.27, -12.54, -10.45
CIElCh	75, 16.328, 219.802
Yxy	48.7026, 0.2709, 0.3142
Android (android.graphics.Color)	4287873484 (0xFF93C1CC)
YUV	180.5000, 11.5855, -29.3795
Hunter-Lab	69.7872, -14.6968, -5.7886

Details

The XYZ color **42.0017, 48.7026, 64.3136** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **42.3959, 39.3981, 32.9750**, and the grayscale version is **43.6039, 45.8747, 49.9576**.

A 20% lighter version of the original color is **76.2828, 87.5279, 107.4818**, and **19.3537, 23.0469, 32.2826** is the 20% darker color. If you saturate the color by 10%, you get **37.8047, 45.2655, 63.8722**, and if you desaturate by 10%, it is **46.8735, 52.5243, 64.7953**.

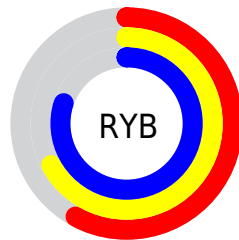
Distribution



Red (58%)

Green (76%)

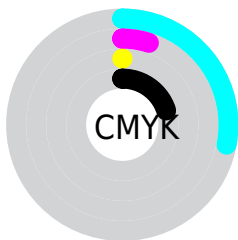
Blue (80%)



Red (58%)

Yellow (67%)

Blue (80%)

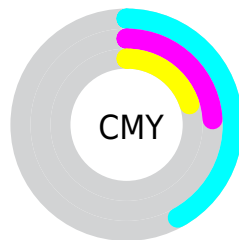


Cyan (28%)

Magenta (5%)

Yellow (0%)

Black (20%)



Cyan (42%)

Magenta (24%)

Yellow (20%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 42.0017, 48.7026, 64.3136 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 42.0017, 48.7026, 64.3136 by changing the saturation by 10% instead.

■ 42.0017, 48.7026,
64.3136

■ 42.0017, 48.7026,
64.3136

345.4815,
381.5703, 458.5597

■ 29.2937, 34.3836,
46.4569

■ 77.4673, 88.2496,
112.6663

■ 19.4485, 23.1885,
32.2553

■ 100.9557,
114.2464, 143.9993

■ 12.1008, 14.7327,
21.2901

128.7683,
144.9046, 180.6616

■ 6.8850, 8.6320,
13.1429

161.2704,
180.6086, 223.0715

■ 3.4360, 4.5020,
7.3952

198.8275,
221.7428, 271.6478

■ 1.3883, 1.9581,
3.6283

241.8047,

■ 0.2479, 0.5830,

268.6915, 326.8089

1.4237

290.5676,
321.8392, 388.9734

■ 0.0000, 0.0000,
0.1601

■ 0.0000, 0.0000,
0.0000

■ 42.0017, 48.7026,
64.3136

■ 42.0017, 48.7026,
64.3136

■ 37.8047, 45.2655,
63.8722

■ 46.8735, 52.5243,
64.7953

■ 34.2437, 42.1892,
63.4661

■ 52.4476, 56.7416,
65.3155

■ 31.2824, 39.4560,
63.0946

■ 58.7553, 61.3719,
65.8768

■ 28.8793, 37.0440,
62.7557

■ 65.8247, 66.4300,
66.4805

■ 26.9871, 34.9288,
62.4472

■ 73.6824, 71.9300,
67.1280

■ 25.5504, 33.0814,
62.1663

■ 76.8544, 75.0500,
67.5630

■ 24.4884, 31.4599,
61.9093

■ 77.8788, 77.0988,
67.9045

■ 24.2895, 31.1402,
61.8581

■ 78.9276, 79.1963,
68.2541

■ 80.0008, 81.3428,
68.6118

Harmonies

Analogous

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



40.8395, 48.7026, 55.8891



42.0017, 48.7026, 64.3136



44.3286, 48.7026, 70.0794

Triad

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



42.0017, 48.7026, 64.3136



51.9135, 48.7026, 58.9353



45.3160, 48.7026, 38.3685

Complementary

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



42.0017, 48.7026, 64.3136



42.3959, 39.3981, 32.9750

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.



48.3092, 48.7026, 38.9959



42.0017, 48.7026, 64.3136



52.2058, 48.7026, 50.2679

Square

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



42.0017, 48.7026, 64.3136



50.0791, 48.7026, 66.7493



50.8614, 48.7026, 43.1480



42.6977, 48.7026, 41.3305

Rectangle

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



42.0017, 48.7026, 64.3136



46.2704, 48.7026, 71.3090



50.8614, 48.7026, 43.1480



46.3103, 48.7026, 38.1747

Sweetspot

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



42.0032, 48.7046, 64.3147



86.6962, 93.8484, 108.1529



39.7509, 51.8395, 40.0122



18.2395, 19.8506, 23.1202



0.0000, 0.0000, 0.0000



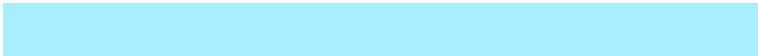
20.3446, 21.4041, 23.3091

Same Dimension

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



42.0032, 48.7046, 64.3147



64.9160, 76.8851, 106.0266



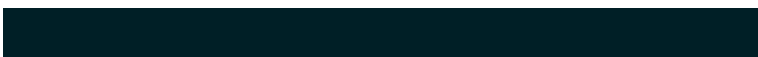
36.3970, 37.4922, 62.4460



11.3522, 12.3448, 14.3548



15.3532, 19.7304, 38.9554



0.8405, 1.1147, 2.0258

Inverse Universe

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



44.9624, 37.5563, 55.3335



70.7706, 55.5652, 88.0933



47.7177, 50.0418, 34.7490



11.5911, 11.3652, 13.6475



19.9605, 9.7948, 23.3084



1.0542, 0.5151, 1.3312

Previews

White Background



This preview shows how the XYZ color 42.0017, 48.7026, 64.3136 looks on a white background.

Color Contrast Check

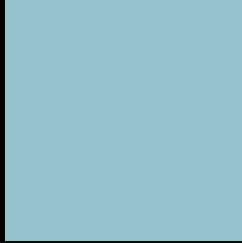
Large Text (above 18pt) WCAG AA × Fail

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 42.0017, 48.7026, 64.3136 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

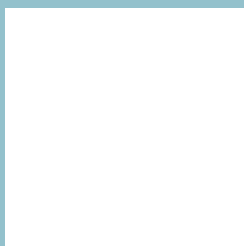
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 42.0017, 48.7026, 64.3136

Background



This preview shows how black text looks on a background with the XYZ color 42.0017, 48.7026, 64.3136.

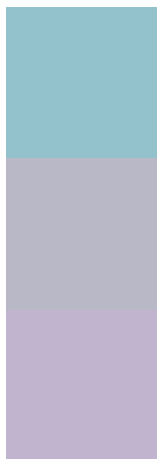


This preview shows how white text looks on a background with the XYZ color 42.0017, 48.7026,

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

42.0017, 48.7026, 64.3136

Protanopia

47.1007, 48.5485, 60.3144

Deuteranopia

49.5761, 48.4850, 65.7771



Tritanopia

42.4475, 48.5492, 66.8082

Trichromacy



Original Color

42.0017, 48.7026, 64.3136

Protanomaly

44.9902, 48.3687, 61.6084

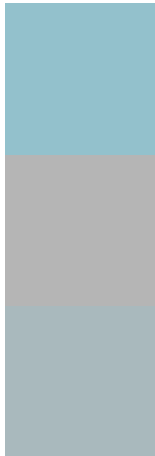
Deuteranomaly

46.3940, 48.3843, 65.2864

Tritanomaly

42.3249, 48.5002, 66.1622

Monochromacy



Original Color

42.0017, 48.7026, 64.3136

Achromatopsia

43.9204, 46.2077, 50.3202

Achromatomaly

42.8965, 46.8071, 54.9179

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.0017, 48.7026, 64.3136 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(147, 193, 204)` looks like.

```
.text, #text, p{  
    color:rgb(147, 193, 204)  
}
```

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(147, 193, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(147, 193, 204) }
```

Border

The CSS property to change the border of an element to XYZ 42.0017, 48.7026, 64.3136 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(147, 193, 204) }
```


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

```
.border{ border-color:rgb(147, 193, 204) }
```

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

Here you see how a box with a 4 pixel `rgb(147, 193, 204)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(147, 193, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(147, 193, 204);  
box-shadow:4px 4px 4px 4px rgb(147, 193,  
204) }
```

Background

The CSS property to change the background color of an element to XYZ 42.0017, 48.7026, 64.3136 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(147, 193, 204) }
```

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

```
.background{ background-color: rgb(147,  
193, 204) }
```

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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