

Converting Colors

XYZ(43.8281, 47.6710, 68.0147)

Have a look what the booklet for
XYZ(43.8281, 47.6710, 68.0147)
contains.

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Color

**XYZ(43.7013, 47.5647,
67.8504)**

Conversions

Conversions Part 1

Format	Color
Hex	9FBBD2
RGB	159, 187, 210
RGB Percent	62%, 73%, 82%
CMY	0.3765, 0.2667, 0.1765
CMYK	0.24, 0.11, 0.00, 0.18
HSL	207°, 36%, 72%
HSV	207°, 24%, 82%
XYZ	43.7013, 47.5647, 67.8504
YIQ	181.2500, -24.0710, 1.2170

Conversions

Conversions Part 2

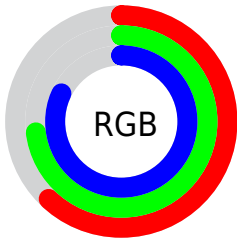
Format	Color
R_{YB}	159, 177, 210
Decimal	10468306
CIE _{Lab}	74.55, -4.39, -14.71
CIE _{LCh}	75, 15.349, 253.391
Yxy	47.5647, 0.2746, 0.2989
Android (android.graphics.Color)	4288658386 (0xFF9FBBD2)
YUV	181.2500, 14.1738, -19.5132
Hunter-Lab	68.9672, -7.5854, -10.0529

Details

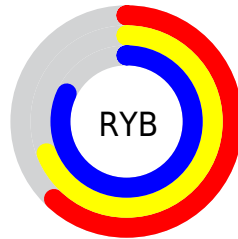
The XYZ color **43.7013, 47.5647, 67.8504** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **49.5650, 49.6612, 39.7754**, and the grayscale version is **43.9924, 46.2834, 50.4027**.

A 20% lighter version of the original color is **77.8321, 85.6173, 107.0313**, and **20.4697, 22.5147, 34.7194** is the 20% darker color. If you saturate the color by 10%, you get **37.9425, 41.7122, 67.0251**, and if you desaturate by 10%, it is **50.3030, 54.0507, 68.7552**.

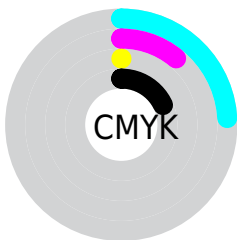
Distribution



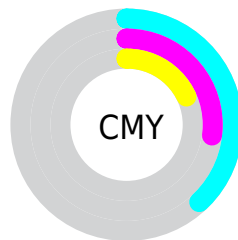
- Red (62%)
- Green (73%)
- Blue (82%)



- Red (62%)
- Yellow (69%)
- Blue (82%)



- Cyan (24%)
- Magenta (11%)
- Yellow (0%)
- Black (18%)



- Cyan (38%)
- Magenta (27%)
- Yellow (18%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 43.7013, 47.5647, 67.8504 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 43.7013, 47.5647, 67.8504 by changing the saturation by 10% instead.

■ 43.7013, 47.5647,
67.8504

■ 43.7013, 47.5647,
67.8504

352.3608,
377.0641, 471.5495

■ 30.6327, 33.4823,
49.3101

■ 80.0172, 86.5559,
117.7903

■ 20.4697, 22.4962,
34.4982

■ 103.9952,
112.2335, 150.0270

■ 12.8472, 14.2219,
22.9961

132.3403,
142.5450, 187.6662

■ 7.3997, 8.2752,
14.3854

165.4180,
177.8748, 231.1265

■ 3.7618, 4.2715,
8.2474

203.5935,
218.6071, 280.8265

■ 1.5683, 1.8266,
4.1636

247.2322,

■ 0.3716, 0.5037,

265.1265, 337.1846

1.7155

296.6996,
317.8174, 400.6194

■ 0.0000, 0.0000,
0.3713

■ 0.0000, 0.0000,
0.0000

■ 43.7013, 47.5647,
67.8504

■ 43.7013, 47.5647,
67.8504

■ 37.9425, 41.7122,
67.0251

■ 50.3030, 54.0507,
68.7552

■ 32.9839, 36.4641,
66.2734

■ 57.7790, 61.1866,
69.7385

■ 28.7855, 31.7969,
65.5938

■ 66.1641, 68.9950,
70.8037

■ 25.3019, 27.6833,
64.9834

■ 75.4900, 77.4959,
71.9530

■ 22.4820, 24.0927,
64.4390

■ 82.3966, 84.9603,
73.0298

■ 20.2674, 20.9908,
63.9570

■ 85.1706, 90.5083,
73.9545

■ 18.5873, 18.3367,
63.5333

■ 88.0910, 96.3491,
74.9279

■ 17.7982, 16.9836,
63.3137

■ 88.6330, 97.4332,
75.1086

Harmonies

Analogous

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



41.4426, 47.5647, 63.0084



43.7013, 47.5647, 67.8504



46.4554, 47.5647, 68.1166

Triad

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



43.7013, 47.5647, 67.8504



50.5986, 47.5647, 48.3321



41.6428, 47.5647, 41.4637

Complementary

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



43.7013, 47.5647, 67.8504



49.5650, 49.6612, 39.7754

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.



43.9848, 47.5647, 38.3057



43.7013, 47.5647, 67.8504



49.1966, 47.5647, 41.9889

Square

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



43.7013, 47.5647, 67.8504



50.5151, 47.5647, 56.2801



46.7506, 47.5647, 38.4876



40.2878, 47.5647, 47.5451

Rectangle

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



43.7013, 47.5647, 67.8504



48.2082, 47.5647, 65.6195



46.7506, 47.5647, 38.4876



42.3365, 47.5647, 40.0542

Sweetspot

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



43.7028, 47.5666, 67.8515



86.2708, 91.7417, 107.7687



45.7841, 56.8404, 52.7883



18.3105, 19.4893, 23.0467



0.0000, 0.0000, 0.0000



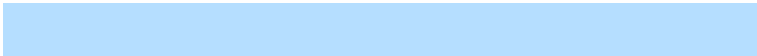
20.3446, 21.4041, 23.3091

Same Dimension

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



43.7028, 47.5666, 67.8515



63.1468, 69.1079, 104.6187



38.7733, 37.7078, 66.2083



11.6940, 12.4782, 15.0358



10.9582, 10.5631, 38.6538



0.6914, 0.7480, 2.1875

Inverse Universe

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



47.9474, 42.0871, 52.6123



70.9123, 59.5834, 76.6265



55.2593, 61.0498, 41.6735



12.0764, 11.9153, 13.6782



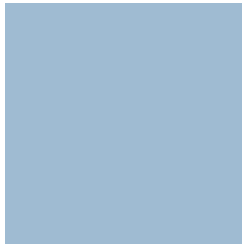
18.1619, 9.1376, 11.0249



1.0552, 0.5268, 0.8256

Previews

White Background



This preview shows how the XYZ color 43.7013, 47.5647, 67.8504 looks on a white background.

Color Contrast Check

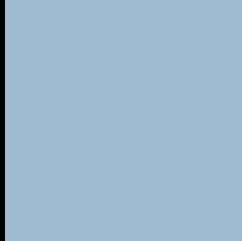
Large Text (above 18pt) WCAG AA × Fail

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 43.7013, 47.5647, 67.8504 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

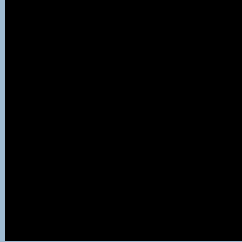
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

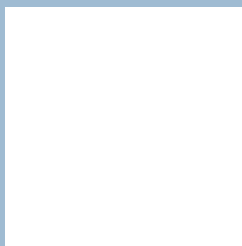
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 43.7013, 47.5647, 67.8504

Background



This preview shows how black text looks on a background with the XYZ color 43.7013, 47.5647, 67.8504.



This preview shows how white text looks on a background with the XYZ color 43.7013, 47.5647,

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

43.7013, 47.5647, 67.8504

Protanopia

46.5808, 47.5446, 65.7534

Deuteranopia

48.4973, 47.5585, 68.9110



Tritanopia

42.8633, 47.5473, 63.4183

Trichromacy



Original Color

43.7013, 47.5647, 67.8504

Protanomaly

45.5389, 47.6057, 66.4632

Deuteranomaly

46.6173, 47.5062, 68.3406

Tritanomaly

43.2243, 47.6918, 65.3198

Monochromacy



Original Color

43.7013, 47.5647, 67.8504

Achromatopsia

43.9204, 46.2077, 50.3202

Achromatomaly

43.6815, 46.5570, 56.5533

CSS Examples

Text

The CSS property to change the color of the text to XYZ 43.7013, 47.5647, 67.8504 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(159, 187, 210)` looks like.

```
.text, #text, p{  
    color:rgb(159, 187, 210)  
}
```

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(159, 187, 210) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(159, 187, 210) }
```

Border

The CSS property to change the border of an element to XYZ 43.7013, 47.5647, 67.8504 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(159, 187, 210) }
```


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

```
.border{ border-color:rgb(159, 187, 210) }
```

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

Here you see how a box with a 4 pixel `rgb(159, 187, 210)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(159, 187, 210); -webkit-box-  
shadow:4px 4px 4px 4px rgb(159, 187, 210);  
box-shadow:4px 4px 4px 4px rgb(159, 187,  
210) }
```

Background

The CSS property to change the background color of an element to XYZ 43.7013, 47.5647, 67.8504 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(159, 187, 210) }
```

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

```
.background{ background-color: rgb(159,  
187, 210) }
```

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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