

Converting Colors

XYZ(48.1604, 54.4670, 76.9767)

Have a look what the booklet for
XYZ(48.1604, 54.4670, 76.9767)
contains.

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Color

**XYZ(48.1720, 54.3163,
77.0524)**

Conversions

Conversions Part 1

Format	Color
Hex	9EC9DE
RGB	158, 201, 222
RGB Percent	62%, 79%, 87%
CMY	0.3804, 0.2117, 0.1294
CMYK	0.29, 0.09, 0.00, 0.13
HSL	200°, 49%, 75%
HSV	200°, 29%, 87%
XYZ	48.1720, 54.3163, 77.0524
YIQ	190.5370, -32.3690, -2.5850

Conversions

Conversions Part 2

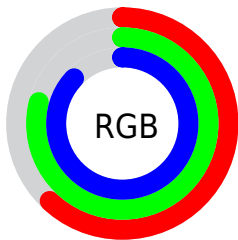
Format	Color
RYB	158, 184, 222
Decimal	10406366
CIELab	78.65, -9.31, -15.04
CIELCh	79, 17.691, 238.252
Yxy	54.3163, 0.2683, 0.3025
Android (android.graphics.Color)	4288596446 (0xFF9EC9DE)
YUV	190.5370, 15.5113, -28.5349
Hunter-Lab	73.6996, -12.3020, -10.3976

Details

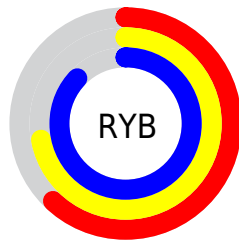
The XYZ color **48.1720, 54.3163, 77.0524** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **52.4166, 50.2389, 39.2835**, and the grayscale version is **49.1812, 51.7425, 56.3475**.

A 20% lighter version of the original color is **81.5416, 93.0361, 108.2678**, and **23.2345, 26.6607, 40.4807** is the 20% darker color. If you saturate the color by 10%, you get **42.5359, 48.9508, 76.3147**, and if you desaturate by 10%, it is **54.6807, 60.2538, 77.8563**.

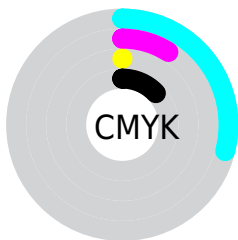
Distribution



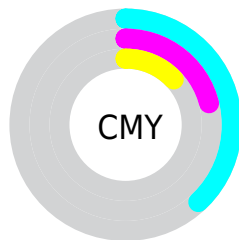
- Red (62%)
- Green (79%)
- Blue (87%)



- Red (62%)
- Yellow (72%)
- Blue (87%)



- Cyan (29%)
- Magenta (9%)
- Yellow (0%)
- Black (13%)



- Cyan (38%)
- Magenta (21%)
- Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 48.1720, 54.3163, 77.0524 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 48.1720, 54.3163, 77.0524 by changing the saturation by 10% instead.

■ 48.1720, 54.3163,
77.0524

■ 48.1720, 54.3163,
77.0524

370.0447,
403.3150, 504.3851

■ 34.1749, 38.8546,
56.7841

■ 86.6686, 96.5385,
130.9871

■ 23.1915, 26.6466,
40.4237

■ 111.8988,
124.0678, 165.4906

■ 14.8565, 17.3080,
27.5527

141.6041,
156.3884, 205.5762

■ 8.8044, 10.4543,
17.7527

176.1499,
193.8847, 251.6625

■ 4.6699, 5.7012,
10.6050

215.9015,
236.9411, 304.1680

■ 2.0877, 2.6643,
5.6911

261.2243,

■ 0.6825, 0.9591,

285.9421, 363.5112

2.5924

312.4836,
341.2719, 430.1107

■ 0.0000, 0.0000,
0.8885

■ 0.0000, 0.0000,
0.0000

■ 48.1720, 54.3163,
77.0524

■ 48.1720, 54.3163,
77.0524

■ 42.5359, 48.9508,
76.3147

■ 54.6807, 60.2538,
77.8563

■ 37.7238, 44.1268,
75.6372

■ 62.0975, 66.7792,
78.7249

■ 33.6899, 39.8201,
75.0186

■ 70.4617, 73.9158,
79.6616

■ 30.3812, 36.0018,
74.4559

■ 79.8089, 81.6833,
80.6682

■ 27.7378, 32.6393,
73.9462

■ 84.8316, 87.3473,
81.4968

■ 25.6891, 29.6942,
73.4858

■ 86.9886, 91.6612,
82.2157

■ 24.1267, 27.1091,
73.0691

■ 89.2322, 96.1485,
82.9636

■ 23.9584, 26.8208,
73.0224

■ 90.1850, 98.0540,
83.2812

Harmonies

Analogous

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



45.9329, 54.3163, 68.7213



48.1720, 54.3163, 77.0524



51.4214, 54.3163, 80.5260

Triad

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



48.1720, 54.3163, 77.0524



58.6344, 54.3163, 59.7300



48.5117, 54.3163, 43.7641

Complementary

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



48.1720, 54.3163, 77.0524



52.4166, 50.2389, 39.2835

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.



51.8312, 54.3163, 41.9233



48.1720, 54.3163, 77.0524



57.7711, 54.3163, 50.4956

Square

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



48.1720, 54.3163, 77.0524



57.5506, 54.3163, 69.8508



55.2413, 54.3163, 44.2460



46.1227, 54.3163, 49.5864

Rectangle

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



48.1720, 54.3163, 77.0524



53.7582, 54.3163, 79.3539



55.2413, 54.3163, 44.2460



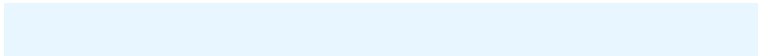
49.5509, 54.3163, 42.6901

Sweetspot

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



48.1737, 54.3185, 77.0536



84.7497, 91.1937, 107.7431



48.2857, 62.7378, 51.8260



17.8051, 19.2284, 23.0230



0.0000, 0.0000, 0.0000



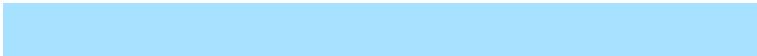
20.3446, 21.4041, 23.3091

Same Dimension

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



48.1737, 54.3185, 77.0536



60.8432, 69.5393, 104.8234



41.6114, 41.1939, 74.8662



13.7178, 14.7747, 17.5165



14.3361, 16.1418, 43.4084



1.0744, 1.2802, 3.0357

Inverse Universe

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



52.8950, 44.2017, 61.0046



68.5196, 53.9171, 78.5442



59.4093, 64.2243, 41.6144



14.0938, 13.8551, 16.2640



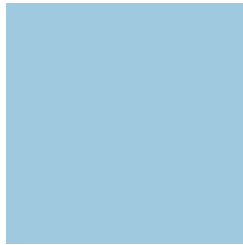
21.1764, 10.5376, 18.1266



1.5086, 0.7467, 1.4709

Previews

White Background



This preview shows how the XYZ color 48.1720, 54.3163, 77.0524 looks on a white background.

Color Contrast Check

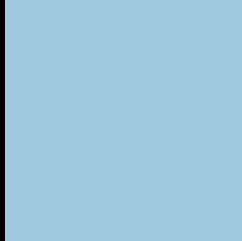
Large Text (above 18pt) WCAG AA × Fail

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 48.1720, 54.3163, 77.0524 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

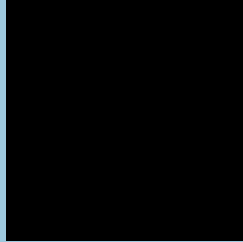
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 48.1720, 54.3163, 77.0524

Background



This preview shows how black text looks on a background with the XYZ color 48.1720, 54.3163, 77.0524.



This preview shows how white text looks on a background with the XYZ color 48.1720, 54.3163,

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

48.1720, 54.3163, 77.0524

Protanopia

53.0802, 54.2260, 73.3147

Deuteranopia

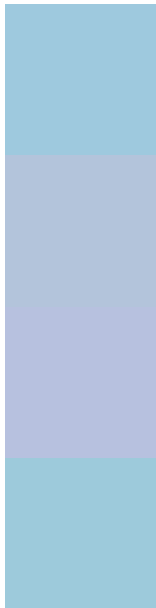
54.9408, 53.7828, 78.0064



Tritanopia

47.6800, 54.4711, 74.3306

Trichromacy



Original Color

48.1720, 54.3163, 77.0524

Protanomaly

51.1165, 54.1780, 74.7811

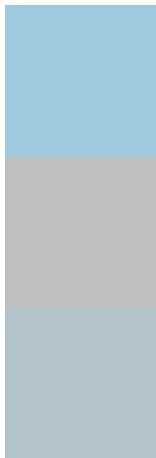
Deuteranomaly

51.9177, 53.5349, 77.4090

Tritanomaly

47.8113, 54.5236, 75.0220

Monochromacy



Original Color

48.1720, 54.3163, 77.0524

Achromatopsia

49.5206, 52.0996, 56.7364

Achromatomaly

48.7662, 52.8782, 63.5134

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.1720, 54.3163, 77.0524 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(158, 201, 222)` looks like.

```
.text, #text, p{  
    color:rgb(158, 201, 222)  
}
```

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(158, 201, 222) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(158, 201, 222) }
```

Border

The CSS property to change the border of an element to XYZ 48.1720, 54.3163, 77.0524 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(158, 201, 222) }
```


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

```
.border{ border-color:rgb(158, 201, 222) }
```

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

Here you see how a box with a 4 pixel `rgb(158, 201, 222)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(158, 201, 222); -webkit-box-  
shadow:4px 4px 4px 4px rgb(158, 201, 222);  
box-shadow:4px 4px 4px 4px rgb(158, 201,  
222) }
```

Background

The CSS property to change the background color of an element to XYZ 48.1720, 54.3163, 77.0524 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(158, 201, 222) }
```

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

```
.background{ background-color: rgb(158,  
201, 222) }
```

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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