

Converting Colors

XYZ(52.4577, 66.0346, 78.0462)

Have a look what the booklet for
XYZ(52.4577, 66.0346, 78.0462)
contains.

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Color

**XYZ(52.4602, 65.9091,
78.3634)**

Conversions

Conversions Part 1

Format	Color
Hex	94E2DD
RGB	148, 226, 221
RGB Percent	58%, 89%, 87%
CMY	0.4196, 0.1137, 0.1333
CMYK	0.35, 0.00, 0.02, 0.11
HSL	176°, 57%, 73%
HSV	176°, 35%, 89%
XYZ	52.4602, 65.9091, 78.3634
YIQ	202.1080, -44.8830, -18.0910

Conversions

Conversions Part 2

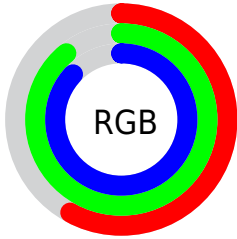
Format	Color
R _Y B	148, 188, 226
Decimal	9757405
CIE Lab	84.95, -24.99, -5.18
CIE LCh	85, 25.519, 191.711
Yxy	65.9091, 0.2667, 0.3350
Android (android.graphics.Color)	4287947485 (0xFF94E2DD)
YUV	202.1080, 9.3138, -47.4527
Hunter-Lab	81.1844, -26.7286, -0.4007

Details

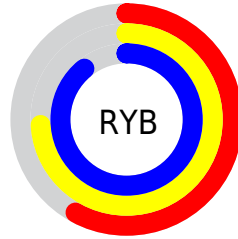
The XYZ color **52.4602, 65.9091, 78.3634** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **47.7059, 39.6502, 35.2782**, and the grayscale version is **56.1717, 59.0970, 64.3566**.

A 20% lighter version of the original color is **78.9868, 91.7191, 108.1483**, and **25.7719, 33.8298, 41.2479** is the 20% darker color. If you saturate the color by 10%, you get **48.5728, 63.9290, 77.1790**, and if you desaturate by 10%, it is **57.1512, 68.3066, 79.5970**.

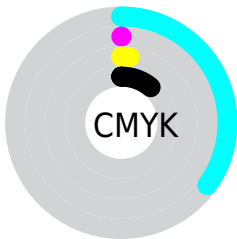
Distribution



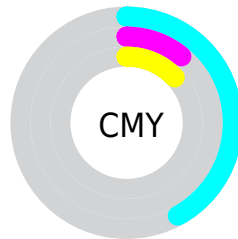
- Red (58%)
- Green (89%)
- Blue (87%)



- Red (58%)
- Yellow (74%)
- Blue (89%)



- Cyan (35%)
- Magenta (0%)
- Yellow (2%)
- Black (11%)





- Cyan (42%)
- Magenta (11%)
- Yellow (13%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 52.4602, 65.9091, 78.3634 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 52.4602, 65.9091, 78.3634 by changing the saturation by 10% instead.


 52.4602, 65.9091,
78.3634

 52.4602, 65.9091,
78.3634


386.5055,
446.0517, 508.9607

 37.5978, 48.1986,
57.8543


 92.9798, 113.3559,
132.8528

 25.8465, 33.9842,
41.2776


 119.3677,
143.8609, 167.6702

 16.8409, 22.8815,
28.2147


150.3281,
179.3996, 208.0942

 10.2157, 14.5060,
18.2471

186.2264,
220.3564, 254.5432

 5.6056, 8.4734,
10.9563

227.4279,
267.1156, 307.4358

 2.6451, 4.3994,
5.9237

274.2980,

 0.9690, 1.8994,

320.0616, 367.1905

2.7307

327.2021,
379.5789, 434.2260

0.0000, 0.5480,
0.9588

0.0000, 0.0000,
0.0000

52.4602, 65.9091,
78.3634

52.4602, 65.9091,
78.3634

48.5728, 63.9290,
77.1790

57.1512, 68.3066,
79.5970

45.4367, 62.3342,
76.0370

62.6829, 71.1357,
80.8772

43.0021, 61.1010,
74.9366

69.0970, 74.4195,
82.2074

41.2113, 60.1994,
73.8749

76.4309, 78.1773,
83.5895

■ 39.9969, 59.5948,
72.8487

■ 82.4757, 81.2703,
84.9200

■ 39.2769, 59.2450,
71.8544

■ 82.6781, 81.3513,
85.9859

■ 39.0194, 59.1238,
71.3188

■ 82.8822, 81.4329,
87.0607

■ 83.0880, 81.5152,
88.1445

■ 83.2955, 81.5982,
89.2372

Harmonies

Analogous

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



52.7515, 65.9091, 62.3070



52.4602, 65.9091, 78.3634



54.7717, 65.9091, 94.8822

Triad

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



52.4602, 65.9091, 78.3634



70.2681, 65.9091, 98.0009



66.1674, 65.9091, 45.7715

Complementary

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



52.4602, 65.9091, 78.3634



47.7059, 39.6502, 35.2782

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.



71.2379, 65.9091, 52.7433



52.4602, 65.9091, 78.3634



73.7032, 65.9091, 82.1321

Square

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



52.4602, 65.9091, 78.3634



64.9085, 65.9091, 107.3219



74.0686, 65.9091, 65.5456



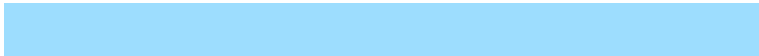
60.4340, 65.9091, 45.0804

Rectangle

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



52.4602, 65.9091, 78.3634



57.5650, 65.9091, 103.3024



74.0686, 65.9091, 65.5456



68.0146, 65.9091, 47.4024

Sweetspot

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



52.4621, 65.9117, 78.3649



86.0207, 95.3755, 107.1088



45.7182, 63.3253, 37.8315



18.1611, 20.2859, 22.8730



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.



52.4621, 65.9117, 78.3649



65.4097, 84.8424, 101.9756



44.8357, 49.5761, 79.1606



14.0766, 15.5564, 17.4388



22.2766, 33.7355, 40.7753



1.5557, 2.3430, 2.8876

Inverse Universe

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



47.7059, 39.6502, 35.2782



58.3174, 45.6562, 37.7067



53.3986, 51.6831, 35.1796



13.7427, 13.7147, 14.4153



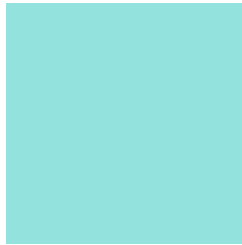
17.9553, 9.2491, 1.1642



1.2573, 0.6462, 0.1477

Previews

White Background



This preview shows how the XYZ color 52.4602, 65.9091, 78.3634 looks on a white background.

Color Contrast Check

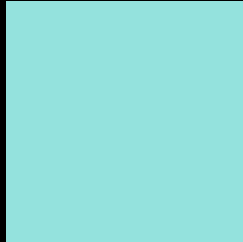
Large Text (above 18pt) WCAG AA × Fail

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 52.4602, 65.9091, 78.3634 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

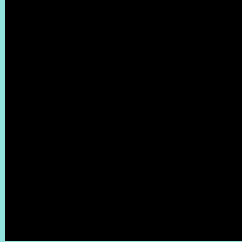
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 52.4602, 65.9091, 78.3634

Background



This preview shows how black text looks on a background with the XYZ color 52.4602, 65.9091, 78.3634.

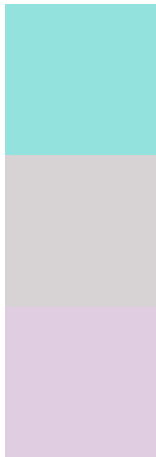


This preview shows how white text looks on a background with the XYZ color 52.4602, 65.9091,

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

52.4602, 65.9091, 78.3634

Protanopia

62.9546, 65.2937, 71.5722

Deuteranopia

66.4733, 65.1064, 80.2974



Tritanopia

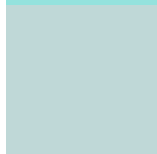
55.4017, 65.8985, 93.0188

Trichromacy



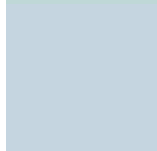
Original Color

52.4602, 65.9091, 78.3634



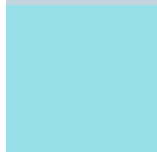
Protanomaly

58.3075, 65.0944, 73.7813



Deuteranomaly

60.2748, 64.8406, 79.8597



Tritanomaly

54.2694, 65.8311, 87.6883

Monochromacy



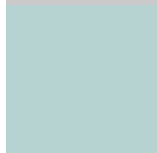
Original Color

52.4602, 65.9091, 78.3634



Achromatopsia

56.1383, 59.0619, 64.3184



Achromatomaly

54.0943, 61.1371, 69.2712

CSS Examples

Text

The CSS property to change the color of the text to XYZ 52.4602, 65.9091, 78.3634 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(148, 226, 221)` looks like.

```
.text, #text, p{  
    color:rgb(148, 226, 221)  
}
```

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(148, 226, 221) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(148, 226, 221) }
```

Border

The CSS property to change the border of an element to XYZ 52.4602, 65.9091, 78.3634 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(148, 226, 221) }
```


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

```
.border{ border-color:rgb(148, 226, 221) }
```

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

Here you see how a box with a 4 pixel `rgb(148, 226, 221)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(148, 226, 221); -webkit-box-  
shadow:4px 4px 4px 4px rgb(148, 226, 221);  
box-shadow:4px 4px 4px 4px rgb(148, 226,  
221) }
```

Background

The CSS property to change the background color of an element to XYZ 52.4602, 65.9091, 78.3634 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(148, 226, 221) }
```

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

```
.background{ background-color: rgb(148,  
226, 221) }
```

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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