

Converting Colors

XYZ(52.2417, 74.7893,
100.4613)

Have a look what the booklet for
XYZ(52.2417, 74.7893, 100.4613)
contains.

XYZ(52.2556, 74.8117, 100.4929)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(52.2556, 74.8117,
100.4929)**

Conversions

Conversions Part 1

Format	Color
Hex	3AF8F8
RGB	58, 248, 248
RGB Percent	23%, 97%, 97%
CMY	0.7725, 0.0274, 0.0274
CMYK	0.77, 0.00, 0.00, 0.03
HSL	180°, 93%, 60%
HSV	180°, 77%, 97%
XYZ	52.2556, 74.8117, 100.4929
YIQ	191.1900, -113.2400, -40.2800

Conversions

Conversions Part 2

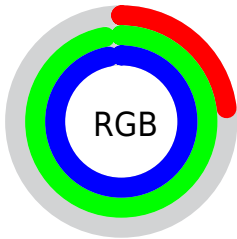
Format	Color
RYB	58, 153, 248
Decimal	3864824
CIELab	89.30, -44.29, -13.17
CIELCh	89, 46.207, 196.554
Yxy	74.8117, 0.2296, 0.3288
Android (android.graphics.Color)	4282054904 (0xFF3AF8F8)
YUV	191.1900, 28.0073, -116.8076
Hunter-Lab	86.4938, -43.5225, -8.3405

Details

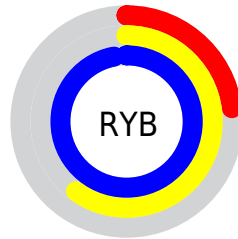
The XYZ color **52.2556, 74.8117, 100.4929** is a light color, and the websafe version is hex **33FFFF**. The color can be described as light washed cyan. A complement of this color would be **40.9907, 23.2904, 6.3402**, and the grayscale version is **49.5245, 52.1037, 56.7409**.

A 20% lighter version of the original color is **64.1265, 84.0584, 107.4528**, and **28.1452, 41.0674, 56.3126** is the 20% darker color. If you saturate the color by 10%, you get **51.1461, 74.2414, 100.4425**, and if you desaturate by 10%, it is **54.0631, 75.7451, 100.5794**.

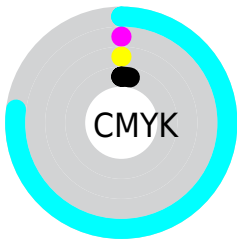
Distribution



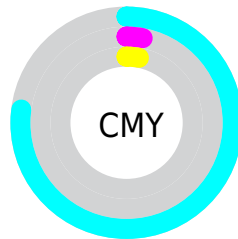
- Red (23%)
- Green (97%)
- Blue (97%)



- Red (23%)
- Yellow (60%)
- Blue (97%)



- Cyan (77%)
- Magenta (0%)
- Yellow (0%)
- Black (3%)





- Cyan (77%)
- Magenta (3%)
- Yellow (3%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 52.2556, 74.8117, 100.4929 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 52.2556, 74.8117, 100.4929 by changing the saturation by 10% instead.


 52.2556, 74.8117,
100.4929


 52.2556, 74.8117,
100.4929


385.7303,
477.2701, 583.0320


 37.4339, 55.4586,
76.0931


 92.6801, 126.0458,
163.8922

 25.7189, 39.7690,
56.0017


 119.0136,
158.6956, 203.7287

 16.7450, 27.3585,
39.8003


 149.9152,
196.5464, 249.5478

 10.1470, 17.8427,
27.0703

 185.7501,
239.9827, 301.7681

 5.5596, 10.8371,
17.3931

226.8837,
289.3888, 360.8082

 2.6173, 5.9574,
10.3502

273.6813,

 0.9548, 2.8192,

345.1492, 427.0864

5.5232

326.5085,
407.6481, 501.0215

■ 0.0000, 1.0381,
2.4933

■ 0.0000, 0.0000,
0.8366

■ 52.2556, 74.8117,
100.4929

■ 52.2556, 74.8117,
100.4929

■ 51.1461, 74.2414,
100.4425

■ 54.0631, 75.7451,
100.5794


■ 50.6173, 73.9688,
100.4175


■ 56.6498, 77.0786,
100.7007


■ 50.5120, 73.9145,
100.4125


■ 60.0931, 78.8537,
100.8620


■ 64.4591, 81.1044,
101.0666

 69.8076, 83.8617,
101.3171

 76.1933, 87.1536,
101.6161

 83.6669, 91.0064,
101.9661

 91.7524, 95.1747,
102.3447

 91.7525, 95.1747,
102.3449

Harmonies

Analogous

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



52.0078, 74.8117, 67.8344



52.2556, 74.8117, 100.4929



57.1939, 74.8117, 135.4674

Triad

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



52.2556, 74.8117, 100.4929



88.0665, 74.8117, 132.1471



76.2764, 74.8117, 34.7062

Complementary

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



52.2556, 74.8117, 100.4929



40.9907, 23.2904, 6.3402

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.



87.1095, 74.8117, 44.1332



52.2556, 74.8117, 100.4929



94.3871, 74.8117, 96.7917

Square

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



52.2556, 74.8117, 100.4929



77.4747, 74.8117, 156.7980



94.0194, 74.8117, 64.9913



65.0968, 74.8117, 35.2028

Rectangle

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



52.2556, 74.8117, 100.4929



62.8111, 74.8117, 152.8741



94.0194, 74.8117, 64.9913



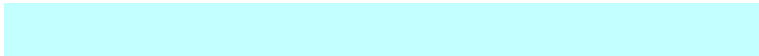
80.1015, 74.8117, 36.6849

Sweetspot

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



52.2579, 74.8145, 100.4947



76.6660, 90.5227, 108.0391



36.2683, 68.4406, 15.3038



15.9112, 19.1186, 23.1015



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.



52.2579, 74.8145, 100.4947



54.1063, 78.8928, 106.9818



30.6076, 31.5134, 93.2795



17.7659, 19.6086, 22.2337



27.2857, 39.9273, 54.2410



2.5271, 3.6980, 5.0237

Inverse Universe

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



40.9907, 23.2904, 6.3402



41.6272, 21.8265, 2.6997



50.3581, 42.0253, 9.4625



17.2447, 17.2252, 17.8783



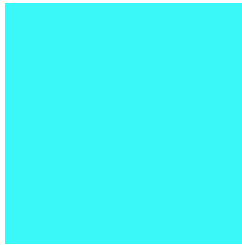
20.9119, 10.7805, 0.9787



1.9368, 0.9985, 0.0907

Previews

White Background



This preview shows how the XYZ color 52.2556, 74.8117, 100.4929 looks on a white background.

Color Contrast Check

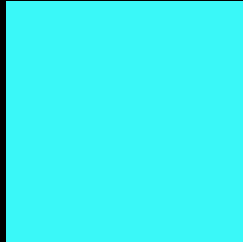
Large Text (above 18pt) WCAG AA × Fail

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 52.2556, 74.8117, 100.4929 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 52.2556, 74.8117, 100.4929

Background



This preview shows how black text looks on a background with the XYZ color 52.2556, 74.8117, 100.4929.



This preview shows how white text looks on a background with the XYZ color 52.2556, 74.8117,

Color Blindness Simulation

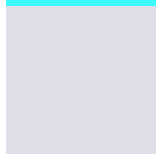
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

52.2556, 74.8117, 100.4929



Protanopia

71.1624, 73.3864, 86.7583



Deuteranopia

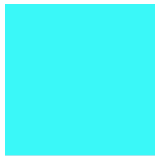
75.1760, 73.5037, 104.8332



Tritanopia

58.7258, 74.4457, 105.8820

Trichromacy



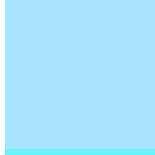
Original Color

52.2556, 74.8117, 100.4929



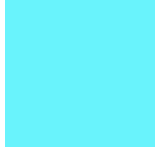
Protanomaly

59.3184, 71.2174, 91.5088



Deuteranomaly

61.2504, 70.7306, 102.5196



Tritanomaly

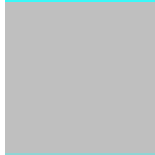
55.4470, 74.1327, 103.4821

Monochromacy



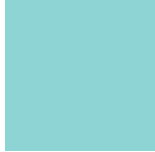
Original Color

52.2556, 74.8117, 100.4929



Achromatopsia

49.5206, 52.0996, 56.7364



Achromatomaly

46.7548, 57.6801, 70.9565

CSS Examples

Text

The CSS property to change the color of the text to XYZ 52.2556, 74.8117, 100.4929 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(58, 248, 248)` looks like.

```
.text, #text, p{  
    color:rgb(58, 248, 248)  
}
```

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(58, 248, 248) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(58, 248, 248) }
```

Border

The CSS property to change the border of an element to XYZ 52.2556, 74.8117, 100.4929 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(58, 248, 248) }
```


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

```
.border{ border-color:rgb(58, 248, 248) }
```

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

Here you see how a box with a 4 pixel `rgb(58, 248, 248)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(58, 248, 248); -webkit-box-  
shadow:4px 4px 4px 4px rgb(58, 248, 248);  
box-shadow:4px 4px 4px 4px rgb(58, 248,  
248) }
```

Background

The CSS property to change the background color of an element to XYZ 52.2556, 74.8117, 100.4929 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(58, 248, 248) }
```

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

```
.background{ background-color: rgb(58, 248,  
248) }
```

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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