

Converting Colors

XYZ(52.1994, 69.8363, 81.0249)

Have a look what the booklet for
XYZ(52.1994, 69.8363, 81.0249)
contains.

XYZ(52.3521, 69.9619, 81.2658)	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(52.3521, 69.9619,
81.2658)**

Conversions

Conversions Part 1

Format	Color
Hex	80ECE0
RGB	128, 236, 224
RGB Percent	50%, 93%, 88%
CMY	0.4980, 0.0745, 0.1216
CMYK	0.46, 0.00, 0.05, 0.07
HSL	173°, 74%, 71%
HSV	173°, 46%, 93%
XYZ	52.3521, 69.9619, 81.2658
YIQ	202.3400, -60.5160, -26.6280

Conversions

Conversions Part 2

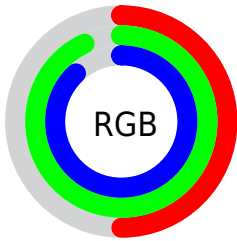
Format	Color
R _Y B	128, 185, 236
Decimal	8449248
CIE Lab	86.98, -34.01, -3.87
CIE LCh	87, 34.231, 186.490
Yxy	69.9619, 0.2572, 0.3437
Android (android.graphics.Color)	4286639328 (0xFF80ECE0)
YUV	202.3400, 10.6784, -65.1962
Hunter-Lab	83.6432, -34.6529, 0.9455

Details

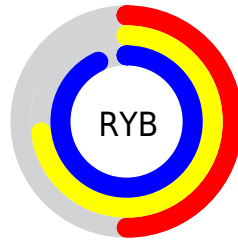
The XYZ color **52.3521, 69.9619, 81.2658** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **47.0473, 35.1667, 29.1217**, and the grayscale version is **56.3155, 59.2483, 64.5214**.

A 20% lighter version of the original color is **74.0597, 89.1791, 107.9177**, and **25.8666, 36.7360, 43.2636** is the 20% darker color. If you saturate the color by 10%, you get **48.8542, 68.2012, 79.2609**, and if you desaturate by 10%, it is **56.6850, 72.1559, 83.3415**.

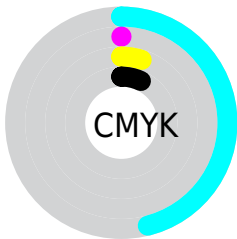
Distribution



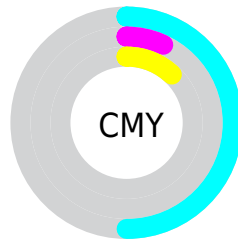
- Red (50%)
- Green (93%)
- Blue (88%)



- Red (50%)
- Yellow (73%)
- Blue (93%)



- Cyan (46%)
- Magenta (0%)
- Yellow (5%)
- Black (7%)





- Cyan (50%)
- Magenta (7%)
- Yellow (12%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 52.3521, 69.9619, 81.2658 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 52.3521, 69.9619, 81.2658 by changing the saturation by 10% instead.


 52.3521, 69.9619,
81.2658


 52.3521, 69.9619,
81.2658


386.0961,
460.4162, 519.0073


 37.5112, 51.4955,
60.2283


 92.8215, 119.1544,
136.9714

 25.7790, 36.6031,
43.1761


 119.1806,
150.6493, 172.4764

 16.7902, 24.9003,
29.6909


 150.1100,
187.2558, 213.6411

 10.1794, 16.0028,
19.3540


185.9748,
229.3583, 260.8839

 5.5813, 9.5261,
11.7470

227.1404,
277.3412, 314.6234

 2.6304, 5.0859,
6.4512

273.9723,

 0.9615, 2.2978,

331.5889, 375.2781

3.0481

326.8357,
392.4858, 443.2666

■ 0.0000, 0.7725,
1.1193

■ 0.0000, 0.0000,
0.0000

■ 52.3521, 69.9619,
81.2658

■ 52.3521, 69.9619,
81.2658

■ 48.8542, 68.2012,
79.2609

■ 56.6850, 72.1559,
83.3415

■ 46.1272, 66.8355,
77.3191


■ 61.8993, 74.8019,
85.4857


■ 44.1075, 65.8338,
75.4387


■ 68.0453, 77.9276,
87.7023

■ 42.7185, 65.1566,
73.6162

■ 75.1675, 81.5559,
89.9937


 41.8656, 64.7553,
71.8468


 83.3078, 85.7084,
92.3619

 41.6016, 64.6352,
71.1100

 86.9259, 87.5289,
94.5477

 87.3179, 87.6857,
96.6119

 87.7156, 87.8448,
98.7059

 88.1189, 88.0061,
100.8298

Harmonies

Analogous

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



53.3634, 69.9619, 59.9175



52.3521, 69.9619, 81.2658



54.8791, 69.9619, 105.4971

Triad

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



52.3521, 69.9619, 81.2658



76.0715, 69.9619, 117.3737



72.8245, 69.9619, 42.4959

Complementary

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



52.3521, 69.9619, 81.2658



47.0473, 35.1667, 29.1217

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.



79.6480, 69.9619, 52.8643



52.3521, 69.9619, 81.2658



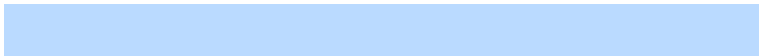
81.6253, 69.9619, 95.1393

Square

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



52.3521, 69.9619, 81.2658



68.2507, 69.9619, 128.8762



82.9839, 69.9619, 71.3045



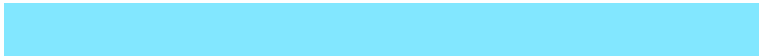
64.7730, 69.9619, 40.2495

Rectangle

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



52.3521, 69.9619, 81.2658



58.3596, 69.9619, 119.1354



82.9839, 69.9619, 71.3045



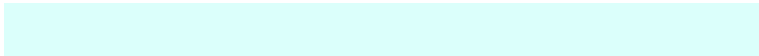
75.3571, 69.9619, 45.0289

Sweetspot

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



52.3541, 69.9647, 81.2674



82.4815, 93.5937, 105.0119



44.8105, 67.1799, 31.0289



17.2847, 19.8447, 22.3520



0.0000, 0.0000, 0.0000



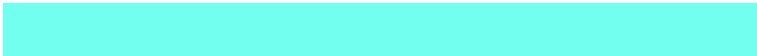
20.3446, 21.4041, 23.3091

Same Dimension

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



52.3541, 69.9647, 81.2674



58.4386, 81.4044, 94.6147



43.4702, 49.4989, 86.6230



15.4414, 17.0914, 19.0070



22.9608, 35.6388, 39.3544



1.8236, 2.8067, 3.1987

Inverse Universe

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



47.0473, 35.1667, 29.1217



51.3941, 35.0853, 25.3010



52.7533, 47.9188, 26.8924



15.1335, 15.0813, 15.9884



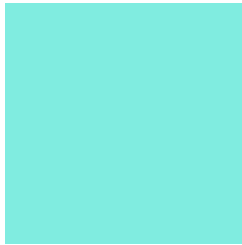
19.1951, 9.8807, 1.5629



1.5299, 0.7849, 0.2418

Previews

White Background



This preview shows how the XYZ color 52.3521, 69.9619, 81.2658 looks on a white background.

Color Contrast Check

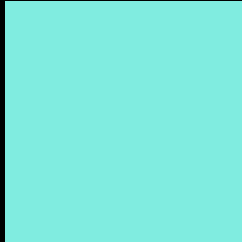
Large Text (above 18pt) WCAG AA × Fail

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 52.3521, 69.9619, 81.2658 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

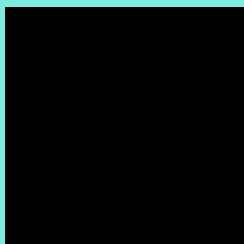
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

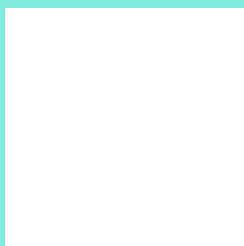
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 52.3521, 69.9619, 81.2658

Background



This preview shows how black text looks on a background with the XYZ color 52.3521, 69.9619, 81.2658.



This preview shows how white text looks on a background with the XYZ color 52.3521, 69.9619,

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

52.3521, 69.9619, 81.2658

Protanopia

66.2583, 69.2374, 72.1593

Deuteranopia

70.4682, 68.9061, 83.7149



Tritanopia

56.4225, 69.9125, 101.7875

Trichromacy



Original Color

52.3521, 69.9619, 81.2658



Protanomaly

59.2759, 68.2980, 75.0244



Deuteranomaly

61.4448, 67.6784, 82.4978



Tritanomaly

54.6890, 69.6152, 93.7738

Monochromacy



Original Color

52.3521, 69.9619, 81.2658



Achromatopsia

56.1383, 59.0619, 64.3184



Achromatomaly

53.3586, 61.8602, 70.1007

CSS Examples

Text

The CSS property to change the color of the text to XYZ 52.3521, 69.9619, 81.2658 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(128, 236, 224)` looks like.

```
.text, #text, p{  
    color:rgb(128, 236, 224)  
}
```

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(128, 236, 224) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 236, 224) }
```

Border

The CSS property to change the border of an element to XYZ 52.3521, 69.9619, 81.2658 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(128, 236, 224) }
```


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

```
.border{ border-color:rgb(128, 236, 224) }
```

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

Here you see how a box with a 4 pixel rgb(128, 236, 224) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(128, 236, 224); -webkit-box-  
shadow:4px 4px 4px 4px rgb(128, 236, 224);  
box-shadow:4px 4px 4px 4px rgb(128, 236,  
224) }
```

Background

The CSS property to change the background color of an element to XYZ 52.3521, 69.9619, 81.2658 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 236, 224) }
```

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

```
.background{ background-color: rgb(128,  
236, 224) }
```

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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