

Converting Colors

XYZ(52.2301, 53.0109, 78.7221)

Have a look what the booklet for
XYZ(52.2301, 53.0109, 78.7221)
contains.

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Color

**XYZ(52.2290, 53.0121,
78.7138)**

Conversions

Conversions Part 1

Format	Color
Hex	B9BFE1
RGB	185, 191, 225
RGB Percent	73%, 75%, 88%
CMY	0.2745, 0.2510, 0.1176
CMYK	0.18, 0.15, 0.00, 0.12
HSL	231°, 40%, 80%
HSV	231°, 18%, 88%
XYZ	52.2290, 53.0121, 78.7138
YIQ	193.0820, -14.4900, 9.3020

Conversions

Conversions Part 2

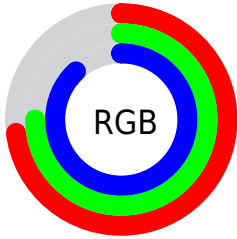
Format	Color
R_{YB}	185, 190, 225
Decimal	12173281
CIE _{Lab}	77.88, 4.87, -17.63
CIE _{LCh}	78, 18.294, 285.451
Yxy	53.0121, 0.2839, 0.2882
Android (android.graphics.Color)	4290363361 (0xFFB9BFE1)
YUV	193.0820, 15.7356, -7.0879
Hunter-Lab	72.8094, 0.6285, -13.1315

Details

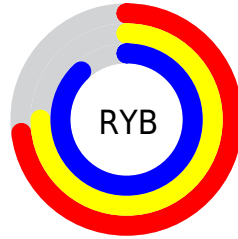
The XYZ color **52.2290, 53.0121, 78.7138** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **65.1403, 70.1735, 56.0118**, and the grayscale version is **50.6546, 53.2926, 58.0356**.

A 20% lighter version of the original color is **87.5864, 92.4423, 107.8346**, and **25.7043, 25.9045, 41.6755** is the 20% darker color. If you saturate the color by 10%, you get **43.3230, 42.6298, 77.1801**, and if you desaturate by 10%, it is **62.5418, 64.9307, 80.4716**.

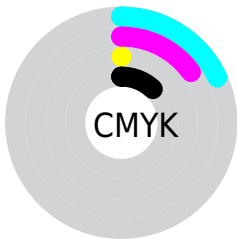
Distribution



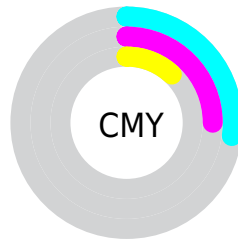
- Red (73%)
- Green (75%)
- Blue (88%)



- Red (73%)
- Yellow (75%)
- Blue (88%)



- Cyan (18%)
- Magenta (15%)
- Yellow (0%)
- Black (12%)



- Cyan (27%)
- Magenta (25%)
- Yellow (12%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 52.2290, 53.0121, 78.7138 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 52.2290, 53.0121, 78.7138 by changing the saturation by 10% instead.

■ 52.2290, 53.0121,
78.7138

■ 52.2290, 53.0121,
78.7138

385.6295,
398.3315, 510.1796

■ 37.4126, 37.8124,
58.1406

■ 92.6411, 94.6222,
133.3509

■ 25.7023, 25.8371,
41.5062

118.9676,
121.8014, 168.2518

■ 16.7326, 16.7018,
28.3922

149.8614,
153.7425, 208.7658

■ 10.1381, 10.0221,
18.3799

185.6881,
190.8300, 255.3113

■ 5.5536, 5.4136,
11.0508

226.8129,
233.4483, 308.3069

■ 2.6137, 2.4919,
5.9864

273.6011,

■ 0.9529, 0.8726,

281.9817, 368.1711

2.7682

326.4182,
336.8147, 435.3225

■ 0.0000, 0.0000,
0.9775

■ 0.0000, 0.0000,
0.0000

■ 52.2290, 53.0121,
78.7138

■ 52.2290, 53.0121,
78.7138

■ 43.3230, 42.6298,
77.1801

■ 62.5418, 64.9307,
80.4716

■ 35.7577, 33.7146,
75.8580

■ 74.3139, 78.4380,
82.4584

■ 29.4688, 26.2017,
74.7393

■ 87.6012, 93.5922,
84.6831

■ 24.3850, 20.0188,
73.8138

■ 90.5908, 98.2163,
85.4181

■ 20.4277, 15.0871,
73.0705

■ 17.5086, 11.3192,
72.4971

■ 15.5260, 8.6159,
72.0798

■ 14.3469, 6.8555,
71.8022

■ 14.1560, 6.5667,
71.7565

Harmonies

Analogous

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



48.6893, 53.0121, 78.8120



52.2290, 53.0121, 78.7138



55.4149, 53.0121, 72.5674

Triad

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



52.2290, 53.0121, 78.7138



55.3338, 53.0121, 44.8673



44.0573, 53.0121, 52.9433

Complementary

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



52.2290, 53.0121, 78.7138



65.1403, 70.1735, 56.0118

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.



45.6717, 53.0121, 45.0519



52.2290, 53.0121, 78.7138



52.1226, 53.0121, 40.7748

Square

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



52.2290, 53.0121, 78.7138



57.2641, 53.0121, 52.6626



48.5877, 53.0121, 40.8382



44.0828, 53.0121, 63.0937

Rectangle

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



52.2290, 53.0121, 78.7138



56.8613, 53.0121, 66.2398



48.5877, 53.0121, 40.8382



44.4227, 53.0121, 49.9661

Sweetspot

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



52.2306, 53.0143, 78.7150



87.1536, 90.9411, 107.5676



59.6325, 69.2452, 76.7823



18.4255, 19.2020, 22.9852



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.



52.2306, 53.0143, 78.7150



65.1782, 65.5392, 103.8228



54.3174, 52.1866, 78.4453



13.1172, 13.5735, 17.3163



8.2099, 3.8893, 41.3664



0.6217, 0.3749, 2.8848

Inverse Universe

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



57.8056, 54.4684, 56.7593



73.8005, 67.8709, 69.8476



62.7386, 71.3018, 56.3562



13.7906, 13.7339, 14.6677



18.0842, 9.3007, 1.8430



1.2801, 0.6553, 0.2678

Previews

White Background



This preview shows how the XYZ color 52.2290, 53.0121, 78.7138 looks on a white background.

Color Contrast Check

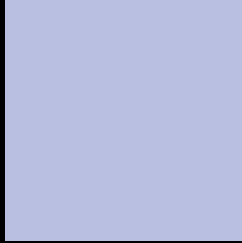
Large Text (above 18pt) WCAG AA × Fail

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 52.2290, 53.0121, 78.7138 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

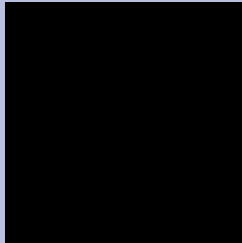
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 52.2290, 53.0121, 78.7138

Background



This preview shows how black text looks on a background with the XYZ color 52.2290, 53.0121, 78.7138.



This preview shows how white text looks on a background with the XYZ color 52.2290, 53.0121,

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

52.2290, 53.0121, 78.7138

Protanopia

52.4711, 53.1369, 78.7251

Deuteranopia

54.2164, 53.0595, 79.3355



Tritanopia

50.0918, 53.1321, 67.9370

Trichromacy



Original Color

52.2290, 53.0121, 78.7138

Protanomaly

52.4711, 53.1369, 78.7251

Deuteranomaly

53.4109, 52.9625, 79.3592

Tritanomaly

50.8641, 53.1135, 71.8611

Monochromacy



Original Color

52.2290, 53.0121, 78.7138

Achromatopsia

50.6879, 53.3276, 58.0738

Achromatomaly

51.1043, 53.0542, 65.3046

CSS Examples

Text

The CSS property to change the color of the text to XYZ 52.2290, 53.0121, 78.7138 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(185, 191, 225)` looks like.

```
.text, #text, p{  
    color:rgb(185, 191, 225)  
}
```

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(185, 191, 225) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(185, 191, 225) }
```

Border

The CSS property to change the border of an element to XYZ 52.2290, 53.0121, 78.7138 is called "border". The border property can be set on classes, ids or directly on the HTML element.

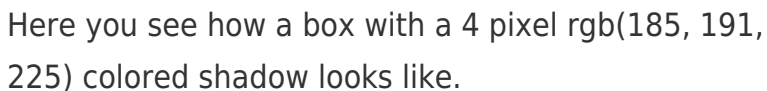
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(185, 191, 225) }
```


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

```
.border{ border-color:rgb(185, 191, 225) }
```

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



Here you see how a box with a 4 pixel `rgb(185, 191, 225)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(185, 191, 225); -webkit-box-shadow:4px 4px 4px 4px rgb(185, 191, 225); box-shadow:4px 4px 4px 4px rgb(185, 191, 225) }
```

Background

The CSS property to change the background color of an element to XYZ 52.2290, 53.0121, 78.7138 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(185, 191, 225) }
```

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

```
.background{ background-color: rgb(185,  
191, 225) }
```

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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