

Converting Colors

XYZ(52.4970, 52.7148, 76.9829)

Have a look what the booklet for
XYZ(52.4970, 52.7148, 76.9829)
contains.

XYZ(52.7190, 52.9734, 77.2583)	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(52.7190, 52.9734,
77.2583)**

Conversions

Conversions Part 1

Format	Color
Hex	BDBEDF
RGB	189, 190, 223
RGB Percent	74%, 75%, 87%
CMY	0.2588, 0.2549, 0.1255
CMYK	0.15, 0.15, 0.00, 0.13
HSL	238°, 35%, 81%
HSV	238°, 15%, 87%
XYZ	52.7190, 52.9734, 77.2583
YIQ	193.4630, -11.1890, 10.0510

Conversions

Conversions Part 2

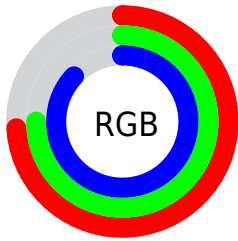
Format	Color
R_{YB}	189, 190, 223
Decimal	12435167
CIE _{Lab}	77.86, 6.25, -16.56
CIE _{LCh}	78, 17.699, 290.676
Yxy	52.9734, 0.2882, 0.2896
Android (android.graphics.Color)	4290625247 (0xFFBDBEDF)
YUV	193.4630, 14.5617, -3.9141
Hunter-Lab	72.7828, 1.9235, -11.9878

Details

The XYZ color **52.7190, 52.9734, 77.2583** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **65.7384, 71.6045, 58.5017**, and the grayscale version is **50.8840, 53.5339, 58.2984**.

A 20% lighter version of the original color is **88.6620, 92.5440, 107.7975**, and **26.0052, 25.8694, 40.6685** is the 20% darker color. If you saturate the color by 10%, you get **43.2623, 41.6497, 75.5719**, and if you desaturate by 10%, it is **63.7255, 66.1321, 79.2189**.

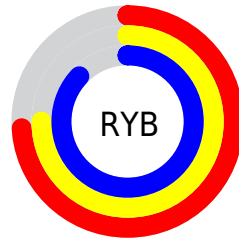
Distribution



Red (74%)

Green (75%)

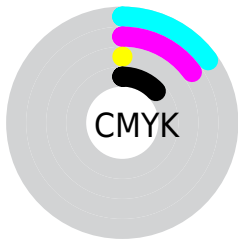
Blue (87%)



Red (74%)

Yellow (75%)

Blue (87%)

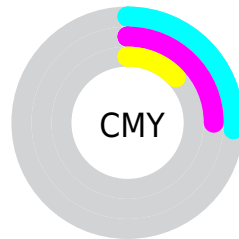


Cyan (15%)

Magenta (15%)

Yellow (0%)

Black (13%)



Cyan (26%)

Magenta (25%)

Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 52.7190, 52.9734, 77.2583 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 52.7190, 52.9734, 77.2583 by changing the saturation by 10% instead.

■ 52.7190, 52.9734,
77.2583

■ 52.7190, 52.9734,
77.2583

387.4846,
398.1831, 505.1053

■ 37.8051, 37.7815,
56.9521

■ 93.3587, 94.5652,
131.2804

■ 26.0080, 25.8132,
40.5577

119.8152,
121.7340, 165.8333

■ 16.9623, 16.6839,
27.6565

150.8500,
153.6638, 205.9722

■ 10.3028, 10.0094,
17.8301

186.8283,
190.7391, 252.1156

■ 5.6640, 5.4052,
10.6599

228.1156,
233.3443, 304.6821

■ 2.6805, 2.4869,
5.7274

275.0771,

■ 0.9872, 0.8701,

281.8638, 364.0902

2.6139

328.0784,
336.6819, 430.7584

■ 0.0000, 0.0000,
0.8996

■ 0.0000, 0.0000,
0.0000

■ 52.7190, 52.9734,
77.2583

■ 52.7190, 52.9734,
77.2583

■ 43.2623, 41.6497,
75.5719

■ 63.7255, 66.1321,
79.2189

■ 35.2813, 32.0732,
74.1441

■ 76.3419, 81.1952,
81.4614

■ 28.7031, 24.1591,
72.9632

■ 90.2981, 98.0651,
83.9821

■ 23.4464, 17.8125,
72.0152

■ 90.3194, 98.1078,
83.9892

■ 19.4221, 12.9294,
71.2848

■ 16.5296, 9.3928,
70.7546

■ 14.6528, 7.0681,
70.4048

■ 13.6505, 5.7928,
70.2115

■ 13.3908, 5.4704,
70.1630

Harmonies

Analogous

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



49.2866, 52.9734, 78.4416



52.7190, 52.9734, 77.2583



55.6363, 52.9734, 70.5221

Triad

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



52.7190, 52.9734, 77.2583



54.6543, 52.9734, 44.2430



44.1064, 52.9734, 54.6669

Complementary

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



52.7190, 52.9734, 77.2583



65.7384, 71.6045, 58.5017

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.



45.4089, 52.9734, 46.4983



52.7190, 52.9734, 77.2583



51.4278, 52.9734, 40.9473

Square

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



52.7190, 52.9734, 77.2583



56.7885, 52.9734, 51.2518



48.0523, 52.9734, 41.7232



44.4169, 52.9734, 64.6223

Rectangle

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



52.7190, 52.9734, 77.2583



56.8463, 52.9734, 64.1708



48.0523, 52.9734, 41.7232



44.3678, 52.9734, 51.6406

Sweetspot

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



52.7206, 52.9756, 77.2595



86.6925, 90.0189, 107.4139



60.5419, 68.8619, 79.1152



18.3139, 18.9788, 22.9480



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.



52.7206, 52.9756, 77.2595



67.5313, 67.1069, 104.0014



56.6581, 54.6844, 77.3818



12.9843, 13.3077, 17.2720



7.8878, 3.2452, 41.2590



0.5583, 0.2481, 2.8637

Inverse Universe

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



57.9246, 55.8022, 56.4355



75.7544, 71.5858, 71.0936



61.3434, 69.7350, 58.3725



13.7235, 13.7070, 14.3143



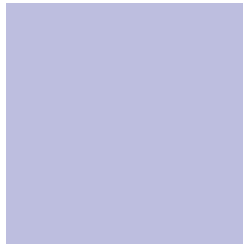
17.9216, 9.2356, 0.9870



1.2481, 0.6425, 0.0992

Previews

White Background



This preview shows how the XYZ color 52.7190, 52.9734, 77.2583 looks on a white background.

Color Contrast Check

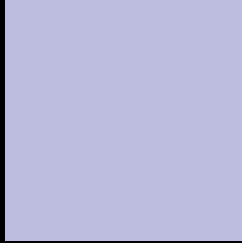
Large Text (above 18pt) WCAG AA × Fail

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 52.7190, 52.9734, 77.2583 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 52.7190, 52.9734, 77.2583

Background



This preview shows how black text looks on a background with the XYZ color 52.7190, 52.9734, 77.2583.



This preview shows how white text looks on a background with the XYZ color 52.7190, 52.9734,

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

52.7190, 52.9734, 77.2583

Protanopia

52.3350, 53.0825, 78.0086

Deuteranopia

54.0675, 53.0299, 77.1982



Tritanopia

50.7048, 53.1331, 67.2578

Trichromacy



Original Color

52.7190, 52.9734, 77.2583

Protanomaly

52.5789, 53.2082, 78.0200

Deuteranomaly

53.5092, 53.0604, 77.2335

Tritanomaly

51.3534, 53.0682, 70.4874

Monochromacy



Original Color

52.7190, 52.9734, 77.2583

Achromatopsia

50.6879, 53.3276, 58.0738

Achromatomaly

51.4869, 53.2654, 64.6943

CSS Examples

Text

The CSS property to change the color of the text to XYZ 52.7190, 52.9734, 77.2583 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(189, 190, 223)` looks like.

```
.text, #text, p{  
    color:rgb(189, 190, 223)  
}
```

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(189, 190, 223) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 190, 223) }
```

Border

The CSS property to change the border of an element to XYZ 52.7190, 52.9734, 77.2583 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(189, 190, 223) }
```


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

```
.border{ border-color:rgb(189, 190, 223) }
```

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

Here you see how a box with a 4 pixel `rgb(189, 190, 223)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(189, 190, 223); -webkit-box-  
shadow:4px 4px 4px 4px rgb(189, 190, 223);  
box-shadow:4px 4px 4px 4px rgb(189, 190,  
223) }
```

Background

The CSS property to change the background color of an element to XYZ 52.7190, 52.9734, 77.2583 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(189, 190, 223) }
```

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

```
.background{ background-color: rgb(189,  
190, 223) }
```

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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