

# Converting Colors

XYZ(53.9288, 52.2950, 79.8888)

Have a look what the booklet for  
XYZ(53.9288, 52.2950, 79.8888)  
contains.

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# Color

**XYZ(53.9297, 52.2660,  
79.9190)**

# Conversions

## Conversions Part 1

Format	Color
Hex	C3BAE3
RGB	195, 186, 227
RGB Percent	76%, 73%, 89%
CMY	0.2353, 0.2706, 0.1098
CMYK	0.14, 0.18, 0.00, 0.11
HSL	253°, 42%, 81%
HSV	253°, 18%, 89%
XYZ	53.9297, 52.2660, 79.9190
YIQ	193.3650, -7.7970, 14.6590

# Conversions

## Conversions Part 2

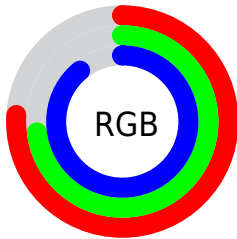
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	195, 186, 227
Decimal	12827363
CIE <sub>Lab</sub>	77.44, 11.18, -19.31
CIE <sub>LCh</sub>	77, 22.310, 300.071
Yxy	52.2660, 0.2898, 0.2808
Android (android.graphics.Color)	4291017443 (0xFFC3BAE3)
YUV	193.3650, 16.5821, 1.4339
Hunter-Lab	72.2952, 6.6381, -14.9357

# Details

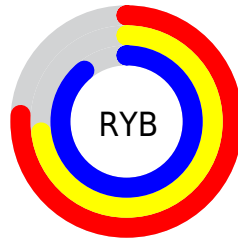
The XYZ color **53.9297, 52.2660, 79.9190** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **65.2473, 73.3902, 57.1837**, and the grayscale version is **50.8134, 53.4596, 58.2175**.

A 20% lighter version of the original color is **89.9470, 91.4197, 107.5128**, and **26.8184, 25.4163, 42.5221** is the 20% darker color. If you saturate the color by 10%, you get **45.2128, 41.2292, 78.2489**, and if you desaturate by 10%, it is **63.9528, 65.1065, 81.8700**.

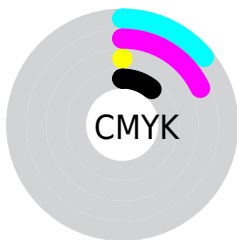
# Distribution



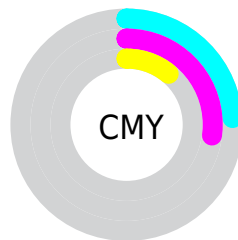
- Red (76%)
- Green (73%)
- Blue (89%)



- Red (76%)
- Yellow (73%)
- Blue (89%)



- Cyan (14%)
- Magenta (18%)
- Yellow (0%)
- Black (11%)



- Cyan (24%)
- Magenta (27%)
- Yellow (11%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 53.9297, 52.2660, 79.9190 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 53.9297, 52.2660, 79.9190 by changing the saturation by 10% instead.



■ 53.9297, 52.2660,  
79.9190

■ 53.9297, 52.2660,  
79.9190

392.0446,  
395.4627, 514.3594

■ 38.7759, 37.2171,  
59.1259

■ 95.1285, 93.5234,  
135.0622

■ 26.7654, 25.3757,  
42.2938

121.9042,  
120.5008, 170.2494

■ 17.5328, 16.3572,  
29.0041

153.2847,  
152.2231, 211.0718

■ 10.7127, 9.7772,  
18.8383

189.6351,  
189.0747, 257.9478

■ 5.9399, 5.2515,  
11.3779

231.3210,  
231.4401, 311.2960

■ 2.8489, 2.3956,  
6.2043

278.7076,

■ 1.0743, 0.8236,

279.7036, 371.5350

2.8989

332.1604,  
334.2497, 439.0833

■ 0.0035, 0.0000,  
1.0432

■ 0.0000, 0.0000,  
0.0000

■ 53.9297, 52.2660,  
79.9190

■ 53.9297, 52.2660,  
79.9190

■ 45.2128, 41.2292,  
78.2489

■ 63.9528, 65.1065,  
81.8700

■ 37.7424, 31.9083,  
76.8436

■ 75.3286, 79.8204,  
84.1105

■ 31.4616, 24.2177,  
75.6902

■ 88.1073, 96.4813,  
86.6529

■ 26.3068, 18.0621,  
74.7737

■ 90.8653, 98.3261,  
86.8636

■ 22.2082, 13.3357,  
74.0774

■ 19.0879, 9.9193,  
73.5825

■ 16.8563, 7.6734,  
73.2666

■ 15.3948, 6.4056,  
73.0989

■ 15.1718, 6.2197,  
73.0748

# Harmonies

## Analogous

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



49.6876, 52.2660, 83.9765



53.9297, 52.2660, 79.9190



57.1806, 52.2660, 69.5382

# Triad

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



53.9297, 52.2660, 79.9190



53.9109, 52.2660, 38.7797



41.8708, 52.2660, 56.9383

# Complementary

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



53.9297, 52.2660, 79.9190



65.2473, 73.3902, 57.1837

# 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.



42.8608, 52.2660, 45.9093



53.9297, 52.2660, 79.9190



49.6670, 52.2660, 36.3892

# Square

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



53.9297, 52.2660, 79.9190



57.1693, 52.2660, 45.8650



45.6545, 52.2660, 38.8026



42.8701, 52.2660, 69.5966



# Rectangle

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



53.9297, 52.2660, 79.9190



58.2607, 52.2660, 61.0833



45.6545, 52.2660, 38.8026



41.9812, 52.2660, 52.9289

# Sweetspot

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



53.9313, 52.2682, 79.9202



87.5496, 90.2943, 107.4219



59.2182, 66.1901, 82.3287



18.5214, 19.0455, 22.9499



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.



53.9313, 52.2682, 79.9202



65.3752, 61.9011, 103.1102



59.5628, 55.1713, 80.1837



13.8771, 14.0389, 18.1227



8.9295, 3.6692, 42.6208



0.7381, 0.3115, 3.1532



# Inverse Universe

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



61.8941, 56.5129, 73.9781



77.7710, 68.5131, 93.6724



59.5215, 70.4384, 56.9157



14.8526, 14.5582, 17.4241



23.1590, 11.3978, 25.5301



1.7450, 0.8557, 2.0635



# Previews

## White Background



This preview shows how the XYZ color 53.9297, 52.2660, 79.9190 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

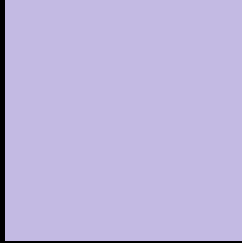
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 53.9297, 52.2660, 79.9190 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

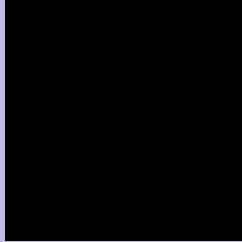
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 53.9297, 52.2660, 79.9190**

## **Background**



This preview shows how black text looks on a background with the XYZ color 53.9297, 52.2660, 79.9190.



This preview shows how white text looks on a background with the XYZ color 53.9297, 52.2660,



# 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

53.9297, 52.2660, 79.9190

### Protanopia

52.0848, 52.5513, 81.5270

### Deuteranopia

53.6278, 52.4242, 79.9654



## Tritanopia

50.9188, 52.3111, 65.1709

# Trichromacy



## Original Color

53.9297, 52.2660, 79.9190

## Protanomaly

52.6947, 52.5614, 80.7668

## Deuteranomaly

53.8836, 52.5560, 79.9774

## Tritanomaly

51.9461, 52.4058, 70.3283

# Monochromacy



## Original Color

53.9297, 52.2660, 79.9190

## Achromatopsia

50.6879, 53.3276, 58.0738

## Achromatomaly

51.6810, 52.7040, 65.2066

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 53.9297, 52.2660, 79.9190 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(195, 186, 227)` looks like.

```
.text, #text, p{  
    color:rgb(195, 186, 227)  
}
```

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(195, 186, 227) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(195, 186, 227) }
```

## Border

The CSS property to change the border of an element to XYZ 53.9297, 52.2660, 79.9190 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(195, 186, 227) }
```



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

```
.border{ border-color:rgb(195, 186, 227) }
```

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

Here you see how a box with a 4 pixel rgb(195, 186, 227) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(195, 186, 227); -webkit-box-  
shadow:4px 4px 4px 4px rgb(195, 186, 227);  
box-shadow:4px 4px 4px 4px rgb(195, 186,  
227) }
```

# Background

The CSS property to change the background color of an element to XYZ 53.9297, 52.2660, 79.9190 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(195, 186, 227) }
```

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

```
.background{ background-color: rgb(195,  
186, 227) }
```

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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