

Converting Colors

XYZ(52.0499, 51.6695, 79.3827)

Have a look what the booklet for
XYZ(52.0499, 51.6695, 79.3827)
contains.

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Color

**XYZ(51.9913, 51.5964,
79.1704)**

Conversions

Conversions Part 1

Format	Color
Hex	BBBEE2
RGB	187, 187, 226
RGB Percent	73%, 73%, 89%
CMY	0.2667, 0.2667, 0.1137
CMYK	0.17, 0.17, 0.00, 0.11
HSL	240°, 40%, 81%
HSV	240°, 17%, 89%
XYZ	51.9913, 51.5964, 79.1704
YIQ	191.4460, -12.5190, 12.1290

Conversions

Conversions Part 2

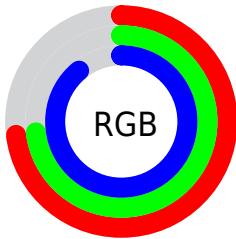
Format	Color
R_{YB}	187, 187, 226
Decimal	12303330
CIE Lab	77.04, 7.89, -19.43
CIE LCh	77, 20.972, 292.089
Yxy	51.5964, 0.2845, 0.2823
Android (android.graphics.Color)	4290493410 (0xFFBBBEE2)
YUV	191.4460, 17.0351, -3.8991
Hunter-Lab	71.8306, 3.4954, -15.0669

Details

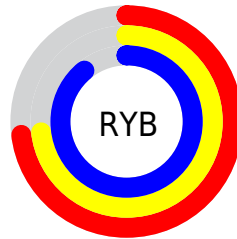
The XYZ color **51.9913, 51.5964, 79.1704** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **67.5305, 74.1493, 57.7680**, and the grayscale version is **49.6908, 52.2786, 56.9314**.

A 20% lighter version of the original color is **87.0627, 90.3759, 107.4633**, and **25.5486, 24.9770, 42.0026** is the 20% darker color. If you saturate the color by 10%, you get **42.4687, 40.1225, 77.4585**, and if you desaturate by 10%, it is **63.1416, 65.0319, 81.1769**.

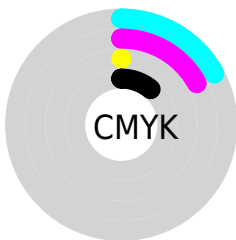
Distribution



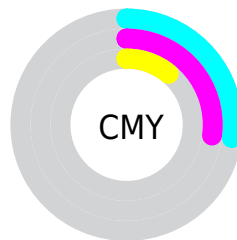
- Red (73%)
- Green (73%)
- Blue (89%)



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



- Cyan (17%)
- Magenta (17%)
- Yellow (0%)
- Black (11%)



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

Brightness & Saturation Gradients

These gradients show how the XYZ color 51.9913, 51.5964, 79.1704 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 51.9913, 51.5964, 79.1704 by changing the saturation by 10% instead.

■ 51.9913, 51.5964,
79.1704

■ 51.9913, 51.5964,
79.1704

384.7275,
392.8765, 511.7655

■ 37.2224, 36.6835,
58.5138

■ 92.2927, 92.5357,
133.9996

■ 25.5542, 24.9625,
41.8044

118.5559,
119.3310, 169.0092

■ 16.6213, 16.0491,
28.6237

149.3813,
150.8557, 209.6402

■ 10.0585, 9.5589,
18.5532

185.1341,
187.4944, 256.3112

■ 5.5003, 5.1075,
11.1744

226.1798,
229.6314, 309.4407

■ 2.5815, 2.3105,
6.0686

272.8837,

■ 0.9365, 0.7792,

277.6512, 369.4472

2.8174

325.6112,
331.9381, 436.7493

■ 0.0000, 0.0000,
1.0022

■ 0.0000, 0.0000,
0.0000

■ 51.9913, 51.5964,
79.1704

■ 51.9913, 51.5964,
79.1704

■ 42.4687, 40.1225,
77.4585

■ 63.1416, 65.0319,
81.1769

■ 34.4932, 30.5126,
76.0239

■ 75.9857, 80.5079,
83.4871

■ 27.9846, 22.6702,
74.8532

■ 90.5917, 98.1069,
86.1142

■ 22.8536, 16.4877,
73.9303

■ 90.7276, 98.2711,
86.1387

■ 19.0012, 11.8457,
73.2373

■ 16.3150, 8.6089,
72.7542

■ 14.6635, 6.6189,
72.4571

■ 13.8727, 5.6659,
72.3148

■ 13.7277, 5.4913,
72.2888

Harmonies

Analogous

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



47.9894, 51.5964, 80.9528



51.9913, 51.5964, 79.1704



55.3649, 51.5964, 70.8355

Triad

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



51.9913, 51.5964, 79.1704



53.9218, 51.5964, 40.5267



41.8081, 51.5964, 53.2011

Complementary

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



51.9913, 51.5964, 79.1704



67.5305, 74.1493, 57.7680

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.



43.2177, 51.5964, 43.6992



51.9913, 51.5964, 79.1704



50.1075, 51.5964, 37.0590

Square

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



51.9913, 51.5964, 79.1704



56.5210, 51.5964, 48.2945



46.2042, 51.5964, 38.1359



42.2515, 51.5964, 64.8797

Rectangle

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



51.9913, 51.5964, 79.1704



56.7321, 51.5964, 63.2325



46.2042, 51.5964, 38.1359



42.0781, 51.5964, 49.6719

Sweetspot

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



51.9929, 51.5985, 79.1716



86.5806, 89.7951, 107.3766



61.3293, 70.4139, 81.8445



18.2869, 18.9247, 22.9390



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.



51.9929, 51.5985, 79.1716



63.2508, 61.6845, 103.1804



56.9109, 54.1333, 79.4016



12.9522, 13.2434, 17.2613



7.8316, 3.1328, 41.2403



0.5429, 0.2172, 2.8586

Inverse Universe

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



58.1053, 55.2986, 54.6272



72.8276, 67.4818, 64.7247



61.9411, 71.2686, 57.5066



13.7073, 13.7006, 14.2289



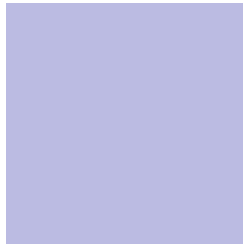
17.8932, 9.2243, 0.8376



1.2403, 0.6394, 0.0581

Previews

White Background



This preview shows how the XYZ color 51.9913, 51.5964, 79.1704 looks on a white background.

Color Contrast Check

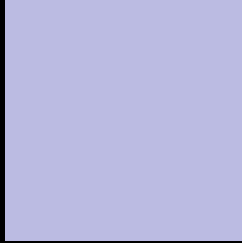
Large Text (above 18pt) WCAG AA × Fail

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 51.9913, 51.5964, 79.1704 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

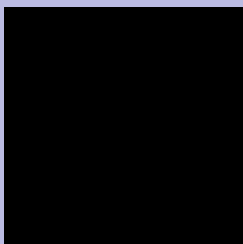
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 51.9913, 51.5964, 79.1704

Background



This preview shows how black text looks on a background with the XYZ color 51.9913, 51.5964, 79.1704.



This preview shows how white text looks on a background with the XYZ color 51.9913, 51.5964,

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

51.9913, 51.5964, 79.1704

Protanopia

51.1398, 51.4576, 79.9100

Deuteranopia

52.7722, 51.6852, 79.1463



Tritanopia

49.2998, 51.7851, 65.7897

Trichromacy



Original Color

51.9913, 51.5964, 79.1704

Protanomaly

51.6155, 51.7028, 79.9323

Deuteranomaly

52.5216, 51.5559, 79.1346

Tritanomaly

50.1909, 51.8214, 70.3080

Monochromacy



Original Color

51.9913, 51.5964, 79.1704

Achromatopsia

49.5206, 52.0996, 56.7364

Achromatomaly

50.5477, 52.1337, 64.5254

CSS Examples

Text

The CSS property to change the color of the text to XYZ 51.9913, 51.5964, 79.1704 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(187, 187, 226)` looks like.

```
.text, #text, p{  
    color:rgb(187, 187, 226)  
}
```

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(187, 187, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(187, 187, 226) }
```

Border

The CSS property to change the border of an element to XYZ 51.9913, 51.5964, 79.1704 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(187, 187, 226) }
```


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

```
.border{ border-color:rgb(187, 187, 226) }
```

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

Here you see how a box with a 4 pixel `rgb(187, 187, 226)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(187, 187, 226); -webkit-box-  
shadow:4px 4px 4px 4px rgb(187, 187, 226);  
box-shadow:4px 4px 4px 4px rgb(187, 187,  
226) }
```

Background

The CSS property to change the background color of an element to XYZ 51.9913, 51.5964, 79.1704 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(187, 187, 226) }
```

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

```
.background{ background-color: rgb(187,  
187, 226) }
```

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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