

# Converting Colors

XYZ(55.0872, 53.5221, 91.1240)

Have a look what the booklet for  
XYZ(55.0872, 53.5221, 91.1240)  
contains.

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# Color

**XYZ(55.2109, 53.6248,  
91.4451)**

# Conversions

## Conversions Part 1

Format	Color
Hex	BDBDF2
RGB	189, 189, 242
RGB Percent	74%, 74%, 95%
CMY	0.2588, 0.2588, 0.0510
CMYK	0.22, 0.22, 0.00, 0.05
HSL	240°, 67%, 85%
HSV	240°, 22%, 95%
XYZ	55.2109, 53.6248, 91.4451
YIQ	195.0420, -17.0130, 16.4830

# Conversions

## Conversions Part 2

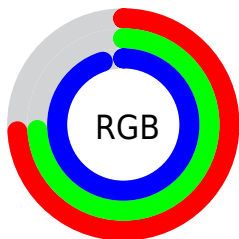
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	189, 189, 242
Decimal	12434930
CIE <sub>Lab</sub>	78.24, 10.97, -26.21
CIE <sub>LCh</sub>	78, 28.413, 292.714
Yxy	53.6248, 0.2757, 0.2677
Android (android.graphics.Color)	4290625010 (0xFFBDBDF2)
YUV	195.0420, 23.1503, -5.2988
Hunter-Lab	73.2290, 6.4292, -22.7785

# Details

The XYZ color **55.2109, 53.6248, 91.4451** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **77.5561, 86.0560, 60.6686**, and the grayscale version is **51.7719, 54.4681, 59.3157**.

A 20% lighter version of the original color is **88.7084, 92.1176, 107.7128**, and **27.6588, 26.3044, 50.0739** is the 20% darker color. If you saturate the color by 10%, you get **44.9231, 41.2288, 89.5956**, and if you desaturate by 10%, it is **67.3722, 68.2784, 93.6334**.

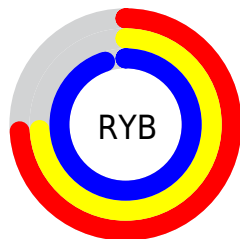
# Distribution



Red (74%)

Green (74%)

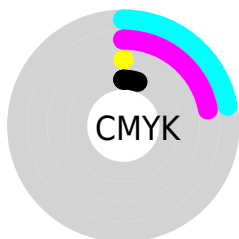
Blue (95%)



Red (74%)

Yellow (74%)

Blue (95%)

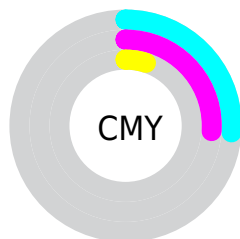


Cyan (22%)

Magenta (22%)

Yellow (0%)

Black (5%)



Cyan (26%)

Magenta (26%)

Yellow (5%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 55.2109, 53.6248, 91.4451 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 55.2109, 53.6248, 91.4451 by changing the saturation by 10% instead.



■ 55.2109, 53.6248,  
91.4451

■ 55.2109, 53.6248,  
91.4451

396.8343,  
400.6776, 553.4115

■ 39.8051, 38.3018,  
68.5994

■ 96.9964, 95.5231,  
151.2971

■ 27.5702, 26.2170,  
49.9158

124.1068,  
122.8672, 189.1404

■ 18.1407, 16.9860,  
34.9758

155.8495,  
154.9871, 232.8201

■ 11.1513, 10.2245,  
23.3608

192.5898,  
192.2672, 282.7545

■ 6.2368, 5.5481,  
14.6524

234.6931,  
235.0919, 339.3624

■ 3.0316, 2.5723,  
8.4319

282.5247,

■ 1.1705, 0.9128,

283.8457, 403.0621

4.2808

336.4500,  
338.9128, 474.2723

■ 0.0829, 0.0000,  
1.7806

■ 0.0000, 0.0000,  
0.4151

■ 55.2109, 53.6248,  
91.4451

■ 55.2109, 53.6248,  
91.4451

■ 44.9231, 41.2288,  
89.5956

■ 67.3722, 68.2784,  
93.6334

■ 36.4109, 30.9722,  
88.0645

■ 81.4881, 85.2870,  
96.1725

■ 29.5755, 22.7359,  
86.8350

■ 93.0272, 99.1909,  
98.2480

■ 24.3060, 16.3866,  
85.8872

■ 20.4787, 11.7749,  
85.1987

■ 17.9509, 8.7289,  
84.7440

■ 16.5509, 7.0420,  
84.4922

■ 16.0272, 6.4110,  
84.3980

# Harmonies

## Analogous

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



49.6243, 53.6248, 94.3452



55.2109, 53.6248, 91.4451



59.9602, 53.6248, 78.9788

# Triad

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



55.2109, 53.6248, 91.4451



57.7262, 53.6248, 37.2519



41.0791, 53.6248, 54.5890

# Complementary

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



55.2109, 53.6248, 91.4451



77.5561, 86.0560, 60.6686

# 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.



42.9244, 53.6248, 41.7290



55.2109, 53.6248, 91.4451



52.3373, 53.6248, 32.9711

# Square

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



55.2109, 53.6248, 91.4451



61.4846, 53.6248, 47.3420



46.9497, 53.6248, 34.4464



41.7260, 53.6248, 71.0317



# Rectangle

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



55.2109, 53.6248, 91.4451



61.8779, 53.6248, 67.9710



46.9497, 53.6248, 34.4464



41.4237, 53.6248, 49.7514

# Sweetspot

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



55.2126, 53.6270, 91.4463



83.3529, 85.9058, 106.7961



68.6342, 80.6820, 95.2672



17.6363, 18.1408, 22.8219



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.



55.2126, 53.6270, 91.4463



57.0953, 54.2673, 102.0731



62.1379, 57.1967, 91.7703



14.8974, 15.2288, 19.8759



8.6099, 3.4440, 45.3388



0.7163, 0.2865, 3.7718



# Inverse Universe

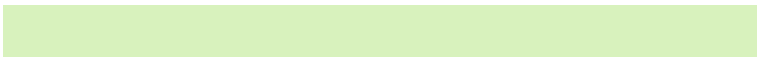
The Inverse Universe completely reimagines the original color for something new.



64.0023, 58.9482, 56.1512



68.5260, 61.1874, 56.1730



69.3710, 81.8369, 60.2856



15.7729, 15.7589, 16.3602



19.6715, 10.1410, 0.9207

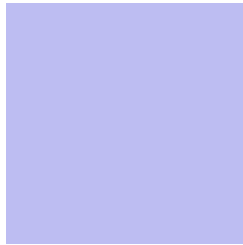


1.6365, 0.8436, 0.0766



# Previews

## White Background



This preview shows how the XYZ color 55.2109, 53.6248, 91.4451 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 55.2109, 53.6248, 91.4451 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 55.2109, 53.6248, 91.4451

## Background



This preview shows how black text looks on a background with the XYZ color 55.2109, 53.6248, 91.4451.



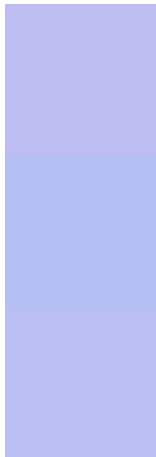
This preview shows how white text looks on a background with the XYZ color 55.2109, 53.6248,



# 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

55.2109, 53.6248, 91.4451

### Protanopia

53.7823, 53.4966, 93.0792

### Deuteranopia

54.9340, 53.8025, 91.4940



## Tritanopia

50.6764, 53.7506, 68.6767

# Trichromacy



## Original Color

55.2109, 53.6248, 91.4451

## Protanomaly

54.1196, 53.3653, 92.2421

## Deuteranomaly

55.1795, 53.9291, 91.5055

## Tritanomaly

52.2624, 53.7281, 76.7233

# Monochromacy



## Original Color

55.2109, 53.6248, 91.4451

## Achromatopsia

51.8711, 54.5724, 59.4294

## Achromatomaly

52.9459, 54.2309, 69.9644

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 55.2109, 53.6248, 91.4451 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, 189, 242)` looks like.

```
.text, #text, p{  
    color:rgb(189, 189, 242)  
}
```

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, 189, 242) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 189, 242) }
```

## Border

The CSS property to change the border of an element to XYZ 55.2109, 53.6248, 91.4451 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, 189, 242) }
```



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

```
.border{ border-color:rgb(189, 189, 242) }
```

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

Here you see how a box with a 4 pixel `rgb(189, 189, 242)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(189, 189, 242); -webkit-box-  
shadow:4px 4px 4px 4px rgb(189, 189, 242);  
box-shadow:4px 4px 4px 4px rgb(189, 189,  
242) }
```

# Background

The CSS property to change the background color of an element to XYZ 55.2109, 53.6248, 91.4451 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(189, 189, 242) }
```

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

```
.background{ background-color: rgb(189,  
189, 242) }
```

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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