

# Converting Colors

XYZ(51.2487, 43.6281, 62.3318)

Have a look what the booklet for  
XYZ(51.2487, 43.6281, 62.3318)  
contains.

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# Color

**XYZ(51.2020, 43.5551,  
62.2083)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D79FCB
RGB	215, 159, 203
RGB Percent	84%, 62%, 80%
CMY	0.1569, 0.3765, 0.2039
CMYK	0.00, 0.26, 0.06, 0.16
HSL	313°, 41%, 73%
HSV	313°, 26%, 84%
XYZ	51.2020, 43.5551, 62.2083
YIQ	180.7600, 19.2520, 25.5560

# Conversions

## Conversions Part 2

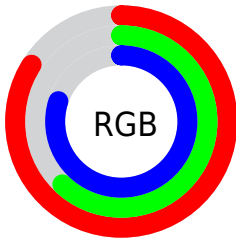
Format	Color
R <sub>Y</sub> B	215, 159, 203
Decimal	14131147
CIE Lab	71.93, 27.83, -14.35
CIE LCh	72, 31.310, 332.717
Yxy	43.5551, 0.3262, 0.2775
Android (android.graphics.Color)	4292321227 (0xFFD79FCB)
YUV	180.7600, 10.9643, 30.0285
Hunter-Lab	65.9963, 22.9924, -9.6895

# Details

The XYZ color **51.2020, 43.5551, 62.2083** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **45.9510, 58.9135, 47.4802**, and the grayscale version is **43.7279, 46.0051, 50.0996**.

A 20% lighter version of the original color is **83.3366, 76.5731, 104.9955**, and **25.1797, 20.1589, 30.9977** is the 20% darker color. If you saturate the color by 10%, you get **47.2808, 36.5778, 58.2326**, and if you desaturate by 10%, it is **55.7852, 51.8289, 66.4861**.

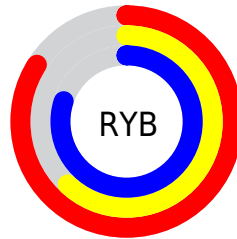
# Distribution



Red (84%)

Green (62%)

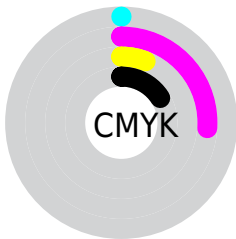
Blue (80%)



Red (84%)

Yellow (62%)

Blue (80%)

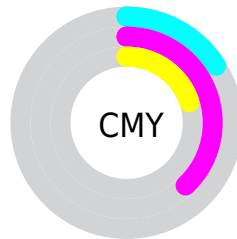


Cyan (0%)

Magenta (26%)

Yellow (6%)

Black (16%)



Cyan (16%)

Magenta (38%)


Yellow (20%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 51.2020, 43.5551, 62.2083 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 51.2020, 43.5551, 62.2083 by changing the saturation by 10% instead.




 51.2020, 43.5551,  
62.2083


 51.2020, 43.5551,  
62.2083


381.7228,  
360.8897, 450.7191

 36.5911, 30.3209,  
44.7642


 91.1345, 80.5479,  
109.6010

 25.0633, 20.0823,  
30.9301


 117.1868,  
105.0752, 140.3867

 16.2532, 12.4549,  
20.2876

147.7836,  
134.1357, 176.4567

 9.7955, 7.0543,  
12.4181

183.2903,  
168.1138, 218.2294

 5.3248, 3.4961,  
6.9031

224.0722,  
207.3938, 266.1235

 2.4758, 1.3959,  
3.3241

270.4947,

 0.8830, 0.2137,

252.3602, 320.5574

1.2624

322.9231,  
303.3974, 381.9498

■ 0.0000, 0.0000,  
0.0307

■ 0.0000, 0.0000,  
0.0000

■ 51.2020, 43.5551,  
62.2083

■ 51.2020, 43.5551,  
62.2083

■ 47.2808, 36.5778,  
58.2326

■ 55.7852, 51.8289,  
66.4861

■ 43.9842, 30.8245,  
54.5445

■ 61.0574, 61.4551,  
71.0744

■ 41.2771, 26.2246,  
51.1320

■ 67.0491, 72.4936,  
75.9843

■ 39.1193, 22.6976,  
47.9810

■ 73.7875, 84.9988,  
81.2257

37.4652, 20.1530,  
45.0756

77.5176, 91.4604,  
85.5475

36.2620, 18.4852,  
42.3976

78.1587, 91.7169,  
88.9235

35.4437, 17.5626,  
39.9241

78.8169, 91.9801,  
92.3897

35.1792, 17.3091,  
38.9864

79.4924, 92.2503,  
95.9468

80.1852, 92.5275,  
99.5954

# Harmonies

## Analogous

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



47.1943, 43.5551, 76.6900



51.2020, 43.5551, 62.2083



52.5149, 43.5551, 46.0450

# Triad

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



51.2020, 43.5551, 62.2083



40.9134, 43.5551, 23.7125



33.3519, 43.5551, 65.1439

# Complementary

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



51.2020, 43.5551, 62.2083



45.9510, 58.9135, 47.4802

# 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.



31.9720, 43.5551, 48.8305



51.2020, 43.5551, 62.2083



36.0965, 43.5551, 26.7495

# Square

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



51.2020, 43.5551, 62.2083



46.2811, 43.5551, 25.8099



32.9326, 43.5551, 35.1901



36.8707, 43.5551, 78.6249



# Rectangle

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



51.2020, 43.5551, 62.2083



51.6011, 43.5551, 36.9580



32.9326, 43.5551, 35.1901



32.6369, 43.5551, 59.7002

# Sweetspot

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



51.2033, 43.5570, 62.2092



88.1879, 87.3895, 103.1796



41.2866, 38.2731, 69.5023



18.6162, 18.2298, 21.8618



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.



51.2033, 43.5570, 62.2092



72.1969, 58.4676, 88.4147



48.2408, 42.3720, 46.6086



12.8338, 12.5850, 15.0648



21.0815, 10.3689, 23.5310



1.3006, 0.6370, 1.5723



# Inverse Universe

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



51.2033, 43.5570, 62.2092



72.1969, 58.4676, 88.4147



48.8162, 60.0596, 62.5683



12.8338, 12.5850, 15.0648



21.0815, 10.3689, 23.5310



1.3006, 0.6370, 1.5723



# Previews

## White Background



This preview shows how the XYZ color 51.2020, 43.5551, 62.2083 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

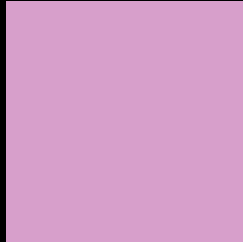
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 51.2020, 43.5551, 62.2083 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 51.2020, 43.5551, 62.2083**

## **Background**



This preview shows how black text looks on a background with the XYZ color 51.2020, 43.5551, 62.2083.



This preview shows how white text looks on a background with the XYZ color 51.2020, 43.5551,



# 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

51.2020, 43.5551, 62.2083

### Protanopia

43.6160, 43.8398, 69.7814

### Deuteranopia

44.5865, 43.6672, 61.3370



## Tritanopia

48.2633, 43.6826, 46.9621

# Trichromacy



## Original Color

51.2020, 43.5551, 62.2083

## Protanomaly

45.8284, 43.3434, 66.9235

## Deuteranomaly

46.7275, 43.3710, 61.7858

## Tritanomaly

49.2238, 43.5320, 52.2625

# Monochromacy



## Original Color

51.2020, 43.5551, 62.2083

## Achromatopsia

43.9204, 46.2077, 50.3202

## Achromatomaly

46.1212, 44.8987, 54.3796

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 51.2020, 43.5551, 62.2083 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(215, 159, 203)` looks like.

```
.text, #text, p{  
    color:rgb(215, 159, 203)  
}
```

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(215, 159, 203) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(215, 159, 203) }
```

## Border

The CSS property to change the border of an element to XYZ 51.2020, 43.5551, 62.2083 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(215, 159, 203) }
```



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

```
.border{ border-color:rgb(215, 159, 203) }
```

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

Here you see how a box with a 4 pixel `rgb(215, 159, 203)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(215, 159, 203); -webkit-box-  
shadow:4px 4px 4px 4px rgb(215, 159, 203);  
box-shadow:4px 4px 4px 4px rgb(215, 159,  
203) }
```

# Background

The CSS property to change the background color of an element to XYZ 51.2020, 43.5551, 62.2083 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(215, 159, 203) }
```

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

```
.background{ background-color: rgb(215,  
159, 203) }
```

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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