

Converting Colors

XYZ(49.7832, 53.6164, 63.5316)

Have a look what the booklet for
XYZ(49.7832, 53.6164, 63.5316)
contains.

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Color

**XYZ(49.9290, 53.8114,
63.6322)**

Conversions

Conversions Part 1

Format	Color
Hex	B7C4CA
RGB	183, 196, 202
RGB Percent	72%, 77%, 79%
CMY	0.2823, 0.2314, 0.2078
CMYK	0.09, 0.03, 0.00, 0.21
HSL	199°, 15%, 75%
HSV	199°, 9%, 79%
XYZ	49.9290, 53.8114, 63.6322
YIQ	192.7970, -9.6740, -0.8900

Conversions

Conversions Part 2

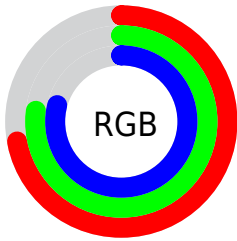
Format	Color
RYB	183, 191, 202
Decimal	12043466
CIELab	78.35, -3.25, -4.54
CIELCh	78, 5.582, 234.371
Yxy	53.8114, 0.2983, 0.3215
Android (android.graphics.Color)	4290233546 (0xFFB7C4CA)
YUV	192.7970, 4.5371, -8.5920
Hunter-Lab	73.3563, -6.8797, -0.0812

Details

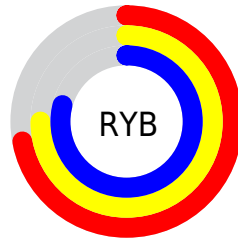
The XYZ color **49.9290, 53.8114, 63.6322** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **51.1021, 52.3702, 52.2157**, and the grayscale version is **50.5489, 53.1814, 57.9145**.

A 20% lighter version of the original color is **88.7719, 95.8213, 108.4243**, and **24.2242, 26.2299, 31.8031** is the 20% darker color. If you saturate the color by 10%, you get **44.0576, 48.6962, 62.9552**, and if you desaturate by 10%, it is **56.5542, 59.4089, 64.3643**.

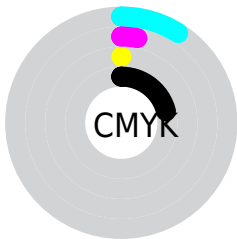
Distribution



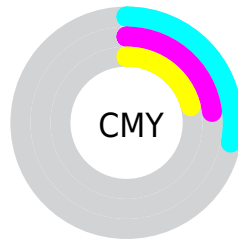
- Red (72%)
- Green (77%)
- Blue (79%)



- Red (72%)
- Yellow (75%)
- Blue (79%)



- Cyan (9%)
- Magenta (3%)
- Yellow (0%)
- Black (21%)



- Cyan (28%)
- Magenta (23%)
- Yellow (21%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 49.9290, 53.8114, 63.6322 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 49.9290, 53.8114, 63.6322 by changing the saturation by 10% instead.

■ 49.9290, 53.8114,
63.6322

■ 49.9290, 53.8114,
63.6322

376.8448,
401.3904, 456.0312

■ 35.5746, 38.4509,
45.9086

■ 89.2621, 95.7973,
111.6754

■ 24.2744, 26.3328,
31.8255

114.9715,
123.1914, 142.8321

■ 15.6631, 17.0728,
20.9646

145.1966,
155.3656, 179.3036

■ 9.3754, 10.2864,
12.9071

180.3027,
192.7042, 221.5083

■ 5.0459, 5.5893,
7.2346

220.6552,
235.5916, 269.8649

■ 2.3093, 2.5970,
3.5286

266.6195,

■ 0.7994, 0.9251,

284.4121, 324.7919

1.3705

318.5609,
339.5503, 386.7078

■ 0.0000, 0.0000,
0.1185

■ 0.0000, 0.0000,
0.0000

■ 49.9290, 53.8114,
63.6322

■ 49.9290, 53.8114,
63.6322

■ 44.0576, 48.6962,
62.9552

■ 56.5542, 59.4089,
64.3643

■ 38.9053, 44.0399,
62.3280

■ 63.9568, 65.4974,
65.1493

■ 34.4417, 39.8271,
61.7501

■ 72.1650, 72.0942,
65.9900

■ 30.6321, 36.0387,
61.2196

■ 77.8914, 77.5056,
66.7327

■ 27.4386, 32.6542,
60.7347

■ 79.6121, 80.9468,
67.3062

■ 24.8192, 29.6506,
60.2930

■ 81.3974, 84.5174,
67.9013

■ 22.7264, 27.0021,
59.8921

■ 83.2480, 88.2188,
68.5182

■ 21.1038, 24.6786,
59.5291

■ 85.1647, 92.0521,
69.1571

■ 19.8540, 22.6283,
59.1992

■ 87.1481, 96.0188,
69.8182

Harmonies

Analogous

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



49.2515, 53.8114, 61.1159



49.9290, 53.8114, 63.6322



50.9398, 53.8114, 64.8016

Triad

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



49.9290, 53.8114, 63.6322



53.2709, 53.8114, 59.1851



50.2820, 53.8114, 53.2671

Complementary

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



49.9290, 53.8114, 63.6322



51.1021, 52.3702, 52.2157

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.



51.3530, 53.8114, 52.7914



49.9290, 53.8114, 63.6322



53.0887, 53.8114, 56.1376

Square

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



49.9290, 53.8114, 63.6322



52.8772, 53.8114, 62.1759



52.3829, 53.8114, 53.8242



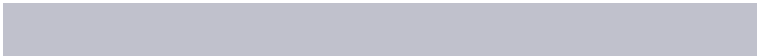
49.4533, 53.8114, 55.1475

Rectangle

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



49.9290, 53.8114, 63.6322



51.6706, 53.8114, 64.6310



52.3829, 53.8114, 53.8242



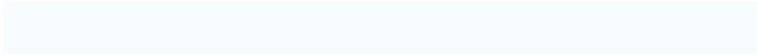
50.6252, 53.8114, 52.9404

Sweetspot

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



49.9306, 53.8137, 63.6334



91.5259, 97.0469, 108.5157



49.8026, 55.9703, 56.1529



19.3931, 20.6059, 23.2052



0.0000, 0.0000, 0.0000



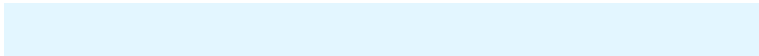
20.3446, 21.4041, 23.3091

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



49.9306, 53.8137, 63.6334



82.7132, 89.5435, 107.5319



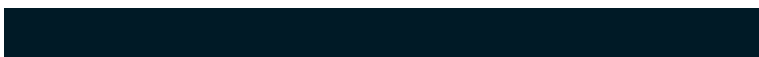
47.9179, 49.7883, 62.9625



11.2330, 12.1065, 14.3151



12.8138, 14.6515, 38.1089



0.7272, 0.8882, 1.9881

Inverse Universe

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



51.2556, 50.4101, 59.2559



85.3525, 82.8337, 98.7968



53.1450, 56.4560, 52.8966



11.5310, 11.3411, 13.3308



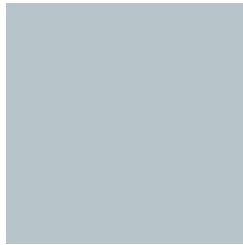
18.6787, 9.2821, 16.5585



0.9970, 0.4922, 1.0302

Previews

White Background



This preview shows how the XYZ color 49.9290, 53.8114, 63.6322 looks on a white background.

Color Contrast Check

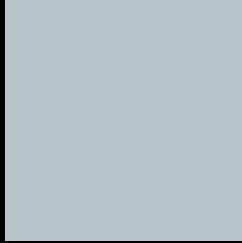
Large Text (above 18pt) WCAG AA × Fail

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 49.9290, 53.8114, 63.6322 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

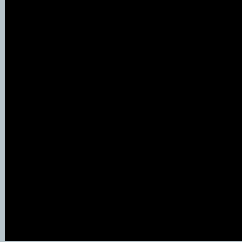
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

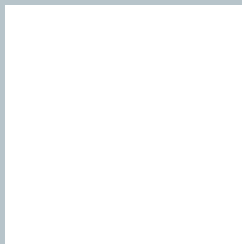
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 49.9290, 53.8114, 63.6322

Background



This preview shows how black text looks on a background with the XYZ color 49.9290, 53.8114, 63.6322.



This preview shows how white text looks on a background with the XYZ color 49.9290, 53.8114,

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

49.9290, 53.8114, 63.6322

Protanopia

52.0010, 53.9122, 62.3089

Deuteranopia

54.8947, 53.7360, 64.6056



Tritanopia

50.9151, 53.8737, 68.6879

Trichromacy



Original Color

49.9290, 53.8114, 63.6322

Protanomaly

51.3203, 53.8770, 62.9528

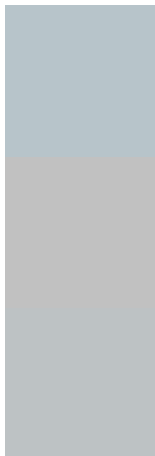
Deuteranomaly

52.9635, 53.7155, 64.0766

Tritanomaly

50.5448, 53.7256, 66.7376

Monochromacy



Original Color

49.9290, 53.8114, 63.6322

Achromatopsia

50.6879, 53.3276, 58.0738

Achromatomaly

50.2419, 53.3879, 59.8814

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.9290, 53.8114, 63.6322 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(183, 196, 202)` looks like.

```
.text, #text, p{  
    color:rgb(183, 196, 202)  
}
```

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(183, 196, 202) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(183, 196, 202) }
```

Border

The CSS property to change the border of an element to XYZ 49.9290, 53.8114, 63.6322 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(183, 196, 202) }
```


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

```
.border{ border-color:rgb(183, 196, 202) }
```

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

Here you see how a box with a 4 pixel `rgb(183, 196, 202)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(183, 196, 202); -webkit-box-shadow:4px 4px 4px 4px rgb(183, 196, 202); box-shadow:4px 4px 4px 4px rgb(183, 196, 202) }
```

Background

The CSS property to change the background color of an element to XYZ 49.9290, 53.8114, 63.6322 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(183, 196, 202) }
```

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

```
.background{ background-color: rgb(183,  
196, 202) }
```

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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