

Converting Colors

XYZ(23.8998, 17.5941, 10.8377)

Have a look what the booklet for
XYZ(23.8998, 17.5941, 10.8377)
contains.

XYZ(23.9263, 17.5679, 10.9340)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(23.9263, 17.5679,
10.9340)**

Conversions

Conversions Part 1

Format	Color
Hex	B35A56
RGB	179, 90, 86
RGB Percent	70%, 35%, 34%
CMY	0.2980, 0.6470, 0.6627
CMYK	0.00, 0.50, 0.52, 0.30
HSL	3°, 38%, 52%
HSV	3°, 52%, 70%
XYZ	23.9263, 17.5679, 10.9340
YIQ	116.1550, 54.3280, 17.6240

Conversions

Conversions Part 2

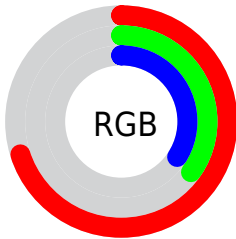
Format	Color
R_{YB}	179, 90, 86
Decimal	11754070
CIE _{Lab}	48.97, 35.67, 19.05
CIE _{LCh}	49, 40.441, 28.106
Yxy	17.5679, 0.4564, 0.3351
Android (android.graphics.Color)	4289944150 (0xFFB35A56)
YUV	116.1550, -14.8664, 55.1151
Hunter-Lab	41.9141, 28.5456, 13.8731

Details

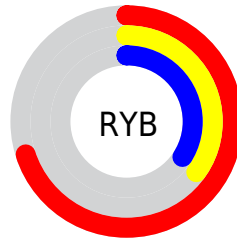
The XYZ color **23.9263, 17.5679, 10.9340** is a dark color, and the websafe version is hex **CC6666**. A complement of this color would be **27.3036, 35.8913, 48.1364**, and the grayscale version is **16.6810, 17.5497, 19.1116**.

A 20% lighter version of the original color is **49.3768, 39.3007, 28.2759**, and **9.1851, 5.8153, 2.7362** is the 20% darker color. If you saturate the color by 10%, you get **22.0113, 14.7511, 7.1721**, and if you desaturate by 10%, it is **26.3558, 21.1246, 15.7587**.

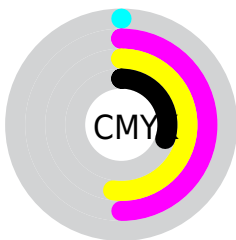
Distribution



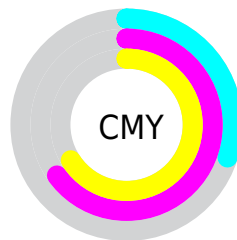
- Red (70%)
- Green (35%)
- Blue (34%)



- Red (70%)
- Yellow (35%)
- Blue (34%)



- Cyan (0%)
- Magenta (50%)
- Yellow (52%)
- Black (30%)





- Cyan (30%)
- Magenta (65%)
- Yellow (66%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 23.9263, 17.5679, 10.9340 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 23.9263, 17.5679, 10.9340 by changing the saturation by 10% instead.


 23.9263, 17.5679,
10.9340

 23.9263, 17.5679,
10.9340


264.8951,
238.4241, 207.9353


 15.4034, 10.6402,
5.9089


 49.3655, 39.2996,
28.1728


 9.1911, 5.8255,
2.7218


 67.0124, 54.8725,
41.2236


 4.9242, 2.7392,
0.9544

 88.4315, 74.0959,
57.7867

 2.2371, 0.9972,
0.0000

 113.9879, 97.3541,
78.2806

 0.7622, 0.0000,
0.0000

 144.0471,
125.0317, 103.1239

 0.0000, 0.0000,
0.0000

178.9745,

157.5129, 132.7351

219.1354,
195.1823, 167.5327

■ 23.9263, 17.5679,
10.9340

■ 23.9263, 17.5679,
10.9340

■ 22.0113, 14.7511,
7.1721

■ 26.3558, 21.1246,
15.7587

■ 20.5724, 12.6196,
4.3919

■ 29.3316, 25.4654,
21.7171

■ 19.5682, 11.1157,
2.5022

■ 32.8849, 30.6342,
28.8752

■ 18.9496, 10.1710,
1.3943

■ 37.0437, 36.6708,
37.2936

■ 18.6740, 9.7510,
0.8979

■ 41.8346, 43.6127,
47.0290

■ 47.2823, 51.4949,
58.1342

■ 53.4103, 60.3506,
70.6597

■ 60.2411, 70.2116,
84.6529

■ 67.7958, 81.1080,
100.1594

Harmonies

Analogous

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



25.0218, 17.5679, 19.8214



23.9263, 17.5679, 10.9340



20.8190, 17.5679, 6.3791

Triad

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



23.9263, 17.5679, 10.9340



11.2780, 17.5679, 10.1373



16.4598, 17.5679, 48.2061

Complementary

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



23.9263, 17.5679, 10.9340



27.3036, 35.8913, 48.1364

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.



13.1598, 17.5679, 42.6618



23.9263, 17.5679, 10.9340



10.4609, 17.5679, 18.4518

Square

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



23.9263, 17.5679, 10.9340



13.5163, 17.5679, 6.0555



11.0950, 17.5679, 30.6431



20.3430, 17.5679, 43.8414

Rectangle

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



23.9263, 17.5679, 10.9340



18.2336, 17.5679, 5.1739



11.0950, 17.5679, 30.6431



15.2507, 17.5679, 47.4077

Sweetspot

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



23.9267, 17.5688, 10.9343



62.9940, 60.8160, 60.0020



29.7448, 19.3700, 43.1934



13.6230, 12.9899, 12.6189



86.6293, 91.1408, 99.2523



17.0014, 17.8868, 19.4787

Same Dimension

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



23.9267, 17.5688, 10.9343



39.0999, 25.9438, 12.2183



29.0181, 27.7515, 12.6314



8.5247, 8.5620, 8.8559



13.2084, 6.9153, 0.6386



0.4253, 0.2369, 0.0233

Inverse Universe

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



27.3036, 35.8913, 48.1364



45.7710, 62.2263, 85.9797



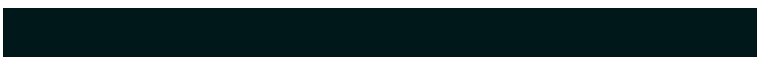
19.8776, 21.0393, 45.6611



8.7107, 9.5676, 10.8939



16.0923, 22.9849, 33.7254



0.5159, 0.7423, 1.0643

Previews

White Background



This preview shows how the XYZ color 23.9263, 17.5679, 10.9340 looks on a white background.

Color Contrast Check

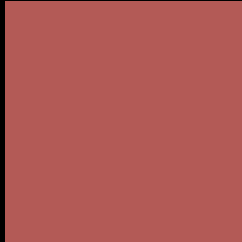
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 23.9263, 17.5679, 10.9340 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 × Fail

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

XYZ 23.9263, 17.5679, 10.9340

Background



This preview shows how black text looks on a background with the XYZ color 23.9263, 17.5679, 10.9340.



This preview shows how white text looks on a background with the XYZ color 23.9263, 17.5679,

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

23.9263, 17.5679, 10.9340

Protanopia

16.7343, 17.8154, 14.1120

Deuteranopia

17.9646, 17.6865, 10.4496



Tritanopia

24.4603, 17.6743, 12.9487

Trichromacy



Original Color

23.9263, 17.5679, 10.9340

Protanomaly

18.6058, 17.1632, 12.9219

Deuteranomaly

19.8381, 17.3952, 10.4956

Tritanomaly

24.3265, 17.6208, 12.2442

Monochromacy



Original Color

23.9263, 17.5679, 10.9340

Achromatopsia

16.6002, 17.4647, 19.0191

Achromatomaly

18.4550, 17.0243, 15.6779

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.9263, 17.5679, 10.9340 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(179, 90, 86)` looks like.

```
.text, #text, p{  
    color:rgb(179, 90, 86)  
}
```

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(179, 90, 86) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(179, 90, 86) }
```

Border

The CSS property to change the border of an element to XYZ 23.9263, 17.5679, 10.9340 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(179, 90, 86) }
```


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

```
.border{ border-color:rgb(179, 90, 86) }
```

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

Here you see how a box with a 4 pixel `rgb(179, 90, 86)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(179, 90, 86); -webkit-box-  
shadow:4px 4px 4px 4px rgb(179, 90, 86);  
box-shadow:4px 4px 4px 4px rgb(179, 90,  
86) }
```

Background

The CSS property to change the background color of an element to XYZ 23.9263, 17.5679, 10.9340 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(179, 90, 86) }
```

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

```
.background{ background-color: rgb(179, 90,  
86) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor