

Converting Colors

XYZ(23.8219, 34.7890, 29.1389)

Have a look what the booklet for
XYZ(23.8219, 34.7890, 29.1389)
contains.

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Color

**XYZ(23.7870, 34.7881,
29.1280)**

Conversions

Conversions Part 1

Format	Color
Hex	55B089
RGB	85, 176, 137
RGB Percent	33%, 69%, 54%
CMY	0.6667, 0.3098, 0.4627
CMYK	0.52, 0.00, 0.22, 0.31
HSL	154°, 37%, 51%
HSV	154°, 52%, 69%
XYZ	23.7870, 34.7881, 29.1280
YIQ	144.3450, -41.7170, -31.4210

Conversions

Conversions Part 2

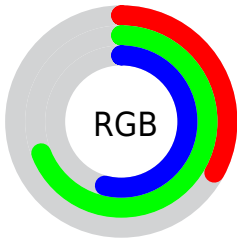
Format	Color
RYB	85, 143, 176
Decimal	5615753
CIELab	65.58, -36.56, 11.79
CIELCh	66, 38.415, 162.123
Yxy	34.7881, 0.2712, 0.3967
Android (android.graphics.Color)	4283805833 (0xFF55B089)
YUV	144.3450, -3.6211, -52.0456
Hunter-Lab	58.9814, -31.2291, 12.0066

Details

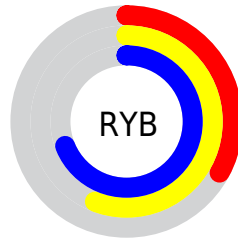
The XYZ color **23.7870, 34.7881, 29.1280** is a dark color, and the websafe version is hex **66CC99**. A complement of this color would be **24.7922, 17.1832, 21.0800**, and the grayscale version is **26.6754, 28.0646, 30.5623**.

A 20% lighter version of the original color is **48.9661, 67.0064, 59.0679**, and **9.1566, 15.0362, 11.4365** is the 20% darker color. If you saturate the color by 10%, you get **21.8613, 33.8567, 26.3118**, and if you desaturate by 10%, it is **26.1498, 35.9423, 32.1637**.

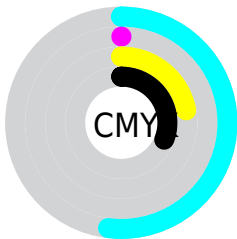
Distribution



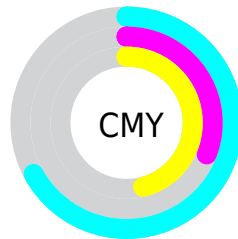
- Red (33%)
- Green (69%)
- Blue (54%)



- Red (33%)
- Yellow (56%)
- Blue (69%)



- Cyan (52%)
- Magenta (0%)
- Yellow (22%)
- Black (31%)



- Cyan (67%)
- Magenta (31%)
- Yellow (46%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.7870, 34.7881, 29.1280 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 23.7870, 34.7881, 29.1280 by changing the saturation by 10% instead.

■ 23.7870, 34.7881,
29.1280

■ 23.7870, 34.7881,
29.1280

264.2024,
323.6320, 311.8982

■ 15.2996, 23.4997,
18.9313

■ 49.1396, 67.1574,
59.3250

■ 9.1176, 14.9629,
11.4443

■ 66.7355, 89.0070,
80.1623

■ 4.8757, 8.7934,
6.2486

■ 88.0982, 115.1459,
105.3836

■ 2.2085, 4.6066,
2.9256

■ 113.5932,
145.9583, 135.4074

■ 0.7472, 2.0184,
1.0568

143.5857,
181.8288, 170.6522

■ 0.0000, 0.6181,
0.0000

178.4412,

■ 0.0000, 0.0000,

223.1416, 211.5366

0.0000

218.5250,
270.2812, 258.4791

■ 23.7870, 34.7881,
29.1280

■ 23.7870, 34.7881,
29.1280

■ 21.8613, 33.8567,
26.3118

■ 26.1498, 35.9423,
32.1637

■ 20.3392, 33.1280,
23.7072

■ 28.9746, 37.3294,
35.4218

■ 19.1864, 32.5856,
21.3092

■ 32.2876, 38.9636,
38.9078

■ 18.3614, 32.2081,
19.1118

■ 36.1123, 40.8569,
42.6267

■ 17.8539, 31.9831,
17.4343

■ 40.4705, 43.0207,
46.5830

■ 45.3829, 45.4652,
50.7812

■ 50.8688, 48.2006,
55.2256

■ 56.9467, 51.2363,
59.9204

■ 63.6343, 54.5813,
64.8697

Harmonies

Analogous

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



26.3164, 34.7881, 19.2078



23.7870, 34.7881, 29.1280



23.5617, 34.7881, 44.7770

Triad

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



23.7870, 34.7881, 29.1280



35.3934, 34.7881, 77.0436



41.7712, 34.7881, 20.6429

Complementary

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



23.7870, 34.7881, 29.1280



24.7922, 17.1832, 21.0800

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.



44.8316, 34.7881, 31.7274



23.7870, 34.7881, 29.1280



40.8788, 34.7881, 65.8742

Square

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



23.7870, 34.7881, 29.1280



29.8489, 34.7881, 75.7565



44.4876, 34.7881, 48.2260



36.5043, 34.7881, 15.3542

Rectangle

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



23.7870, 34.7881, 29.1280



24.7106, 34.7881, 56.8931



44.4876, 34.7881, 48.2260



43.1177, 34.7881, 23.6565

Sweetspot

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



23.7879, 34.7895, 29.1288



62.2014, 72.4672, 74.1685



25.5411, 36.0255, 14.2023



13.1819, 15.5572, 15.7823



84.5950, 89.0005, 96.9216



16.2198, 17.0645, 18.5832

Same Dimension

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



23.7879, 34.7895, 29.1288



39.2241, 61.1985, 47.0439



25.9461, 33.7917, 46.2309



8.5856, 9.5687, 10.0775



13.1290, 23.4776, 12.9481



0.4416, 0.7501, 0.5576

Inverse Universe

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



24.7922, 17.1832, 21.0800



41.2587, 25.7351, 30.8900



23.2920, 17.3804, 10.7219



8.6425, 8.5637, 9.6158



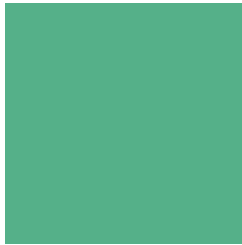
14.1077, 7.1606, 5.7271



0.4733, 0.2371, 0.3353

Previews

White Background



This preview shows how the XYZ color 23.7870, 34.7881, 29.1280 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 23.7870, 34.7881, 29.1280 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 23.7870, 34.7881, 29.1280

Background



This preview shows how black text looks on a background with the XYZ color 23.7870, 34.7881, 29.1280.



This preview shows how white text looks on a background with the XYZ color 23.7870, 34.7881,

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

23.7870, 34.7881, 29.1280

Protanopia

32.2716, 34.3371, 25.3489

Deuteranopia

35.0961, 34.4388, 30.3888



Tritanopia

27.9590, 34.7650, 50.0365

Trichromacy



Original Color

23.7870, 34.7881, 29.1280



Protanomaly

28.0331, 33.9522, 26.5487



Deuteranomaly

29.1555, 33.4029, 29.7217



Tritanomaly

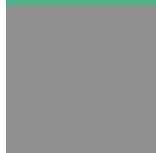
26.1497, 34.5854, 41.3738

Monochromacy



Original Color

23.7870, 34.7881, 29.1280



Achromatopsia

26.5089, 27.8894, 30.3716



Achromatomaly

24.8646, 29.9110, 29.6622

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.7870, 34.7881, 29.1280 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(85, 176, 137)` looks like.

```
.text, #text, p{  
    color:rgb(85, 176, 137)  
}
```

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(85, 176, 137) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(85, 176, 137) }
```

Border

The CSS property to change the border of an element to XYZ 23.7870, 34.7881, 29.1280 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(85, 176, 137) }
```


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

```
.border{ border-color:rgb(85, 176, 137) }
```

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

Here you see how a box with a 4 pixel rgb(85, 176, 137) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(85, 176, 137); -webkit-box-  
shadow:4px 4px 4px 4px rgb(85, 176, 137);  
box-shadow:4px 4px 4px 4px rgb(85, 176,  
137) }
```

Background

The CSS property to change the background color of an element to XYZ 23.7870, 34.7881, 29.1280 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(85, 176, 137) }
```

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

```
.background{ background-color: rgb(85, 176,  
137) }
```

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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