

Converting Colors

XYZ(30.3608, 40.8799, 23.8200)

Have a look what the booklet for
XYZ(30.3608, 40.8799, 23.8200)
contains.

XYZ(30.5103, 41.0982, 23.7774)	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(30.5103, 41.0982,
23.7774)**

Conversions

Conversions Part 1

Format	Color
Hex	86B977
RGB	134, 185, 119
RGB Percent	53%, 73%, 47%
CMY	0.4745, 0.2745, 0.5333
CMYK	0.28, 0.00, 0.36, 0.27
HSL	106°, 32%, 60%
HSV	106°, 36%, 73%
XYZ	30.5103, 41.0982, 23.7774
YIQ	162.2270, -9.2100, -31.3380

Conversions

Conversions Part 2

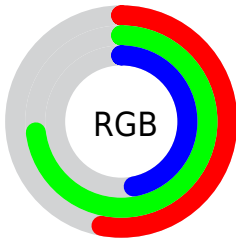
Format	Color
RYB	119, 185, 170
Decimal	8829303
CIELab	70.24, -29.39, 28.26
CIElCh	70, 40.774, 136.126
Yxy	41.0982, 0.3199, 0.4309
Android (android.graphics.Color)	4287019383 (0xFF86B977)
YUV	162.2270, -21.3109, -24.7551
Hunter-Lab	64.1079, -27.2368, 22.8850

Details

The XYZ color **30.5103, 41.0982, 23.7774** is a dark color, and the websafe version is hex **99CC99**. A complement of this color would be **31.9330, 25.2436, 49.0906**, and the grayscale version is **34.5499, 36.3492, 39.5843**.

A 20% lighter version of the original color is **59.8880, 76.7080, 50.6794**, and **12.8364, 18.7386, 8.7347** is the 20% darker color. If you saturate the color by 10%, you get **27.3792, 39.6014, 18.3850**, and if you desaturate by 10%, it is **34.1678, 42.8438, 30.3251**.

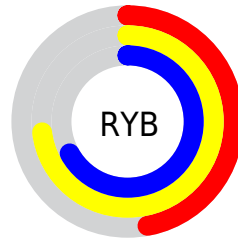
Distribution



Red (53%)

Green (73%)

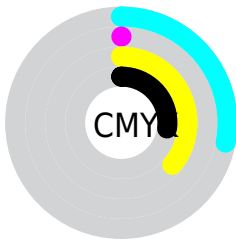
Blue (47%)



Red (47%)

Yellow (73%)

Blue (67%)

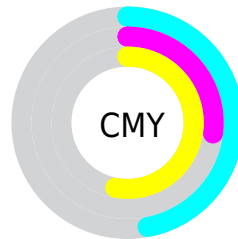


Cyan (28%)

Magenta (0%)

Yellow (36%)

Black (27%)



Cyan (47%)


Magenta (27%)


Yellow (53%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 30.5103, 41.0982, 23.7774 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 30.5103, 41.0982, 23.7774 by changing the saturation by 10% instead.


 30.5103, 41.0982,
23.7774


 30.5103, 41.0982,
23.7774


296.1432,
350.7309, 284.9434


 20.3762, 28.3958,
14.9579


 59.8494, 76.8329,
50.6060

 12.7787, 18.6243,
8.6436


 79.7851, 100.6341,
69.4521

 7.3523, 11.3991,
4.4158

 103.7187,
128.9036, 92.4776

 3.7316, 6.3359,
1.8561

132.0156,
162.0260, 120.1009

 1.5515, 3.0504,
0.4646

165.0412,
200.3854, 152.7406

 0.3605, 1.1581,
0.0000

203.1607,

 0.0000, 0.0271,

244.3665, 190.8152

0.0000

246.7396,
294.3535, 234.7433

■ 0.0000, 0.0000,
0.0000

■ 30.5103, 41.0982,
23.7774

■ 30.5103, 41.0982,
23.7774

■ 27.3792, 39.6014,
18.3850

■ 34.1678, 42.8438,
30.3251

■ 24.7466, 38.3369,
14.0783

■ 38.3719, 44.8436,
38.0869

■ 22.5865, 37.2940,
10.7843


■ 43.1452, 47.1094,
47.1210


■ 20.8692, 36.4592,
8.4201


■ 48.5084, 49.6504,
57.4809


■ 19.5613, 35.8175,
6.8893


■ 54.4809, 52.4758,
69.2171


 18.6231, 35.3510,
6.0716

 61.0813, 55.5940,
82.3774

 18.3064, 35.1927,
5.8280

 68.3275, 59.0132,
97.0074

 74.2426, 61.9438,
102.6511

 76.6398, 63.1796,
102.7633

Harmonies

Analogous

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



35.6002, 41.0982, 17.8833



30.5103, 41.0982, 23.7774



27.8657, 41.0982, 36.4897

Triad

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



30.5103, 41.0982, 23.7774



36.0608, 41.0982, 90.8440



52.7571, 41.0982, 35.2836

Complementary

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



30.5103, 41.0982, 23.7774



31.9330, 25.2436, 49.0906

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.



52.9170, 41.0982, 54.1690



30.5103, 41.0982, 23.7774



42.7425, 41.0982, 90.2450

Square

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



30.5103, 41.0982, 23.7774



30.8142, 41.0982, 76.8758



49.0801, 41.0982, 75.4178



48.6654, 41.0982, 23.1126

Rectangle

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



30.5103, 41.0982, 23.7774



27.6256, 41.0982, 48.7933



49.0801, 41.0982, 75.4178



53.2871, 41.0982, 40.9345

Sweetspot

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



30.5113, 41.1000, 23.7783



72.4357, 82.0752, 75.1970



37.6389, 40.2477, 23.2381



15.3721, 17.5781, 15.7513



88.6918, 93.3107, 101.6153



17.8044, 18.7317, 20.3988

Same Dimension

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



30.5113, 41.1000, 23.7783



50.0682, 71.4181, 34.6738



29.4447, 40.4164, 29.7669



9.0762, 10.1559, 9.5888



12.5181, 23.9896, 3.9707



0.4962, 0.8740, 0.1425

Inverse Universe

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



31.9330, 25.2436, 49.0906



52.9774, 38.7006, 86.8824



33.6180, 26.3138, 40.0623



9.1760, 9.0571, 11.3440



13.7363, 6.3925, 31.7630



0.5340, 0.2510, 1.1221

Previews

White Background



This preview shows how the XYZ color 30.5103, 41.0982, 23.7774 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 30.5103, 41.0982, 23.7774 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 30.5103, 41.0982, 23.7774

Background



This preview shows how black text looks on a background with the XYZ color 30.5103, 41.0982, 23.7774.



This preview shows how white text looks on a background with the XYZ color 30.5103, 41.0982,

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

30.5103, 41.0982, 23.7774

Protanopia

37.7932, 40.7572, 21.4978

Deuteranopia

41.5422, 40.7027, 24.7357



Tritanopia

36.6737, 40.8794, 54.6728

Trichromacy



Original Color

30.5103, 41.0982, 23.7774

Protanomaly

34.5562, 40.5040, 22.2164

Deuteranomaly

36.6255, 40.3752, 24.2752

Tritanomaly

33.9763, 40.6713, 41.1816

Monochromacy



Original Color

30.5103, 41.0982, 23.7774

Achromatopsia

34.3422, 36.1307, 39.3463

Achromatomaly

32.5119, 37.5002, 32.7188

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.5103, 41.0982, 23.7774 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(134, 185, 119)` looks like.

```
.text, #text, p{  
    color:rgb(134, 185, 119)  
}
```

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(134, 185, 119) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(134, 185, 119) }
```

Border

The CSS property to change the border of an element to XYZ 30.5103, 41.0982, 23.7774 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(134, 185, 119) }
```


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

```
.border{ border-color:rgb(134, 185, 119) }
```

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

Here you see how a box with a 4 pixel `rgb(134, 185, 119)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(134, 185, 119); -webkit-box-  
shadow:4px 4px 4px 4px rgb(134, 185, 119);  
box-shadow:4px 4px 4px 4px rgb(134, 185,  
119) }
```

Background

The CSS property to change the background color of an element to XYZ 30.5103, 41.0982, 23.7774 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(134, 185, 119) }
```

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

```
.background{ background-color: rgb(134,  
185, 119) }
```

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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