

Converting Colors

XYZ(30.1717, 40.0248, 23.9666)

Have a look what the booklet for
XYZ(30.1717, 40.0248, 23.9666)
contains.

XYZ(30.1098, 39.9629, 23.8959)	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(30.1098, 39.9629,
23.8959)**

Conversions

Conversions Part 1

Format	Color
Hex	87B678
RGB	135, 182, 120
RGB Percent	53%, 71%, 47%
CMY	0.4706, 0.2863, 0.5294
CMYK	0.26, 0.00, 0.34, 0.29
HSL	105°, 30%, 59%
HSV	105°, 34%, 71%
XYZ	30.1098, 39.9629, 23.8959
YIQ	160.8790, -8.1100, -29.2460

Conversions

Conversions Part 2

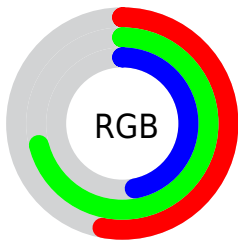
Format	Color
RYB	120, 182, 167
Decimal	8894072
CIELab	69.44, -27.44, 26.68
CIELCh	69, 38.272, 135.809
Yxy	39.9629, 0.3204, 0.4253
Android (android.graphics.Color)	4287084152 (0xFF87B678)
YUV	160.8790, -20.1533, -22.6959
Hunter-Lab	63.2162, -25.6091, 21.8396

Details

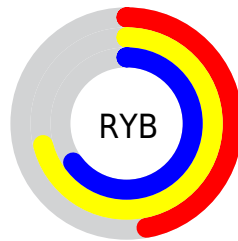
The XYZ color **30.1098, 39.9629, 23.8959** is a dark color, and the websafe version is hex **99CC99**. A complement of this color would be **31.0980, 25.0270, 47.4498**, and the grayscale version is **33.9143, 35.6805, 38.8560**.

A 20% lighter version of the original color is **59.1036, 74.9850, 50.8936**, and **12.5549, 17.9944, 8.7728** is the 20% darker color. If you saturate the color by 10%, you get **27.0309, 38.4926, 18.5239**, and if you desaturate by 10%, it is **33.6885, 41.6690, 30.3889**.

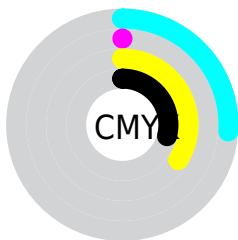
Distribution



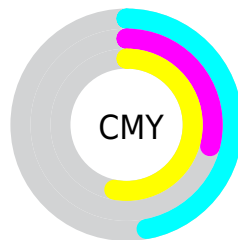
- Red (53%)
- Green (71%)
- Blue (47%)



- Red (47%)
- Yellow (71%)
- Blue (65%)



- Cyan (26%)
- Magenta (0%)
- Yellow (34%)
- Black (29%)





- Cyan (47%)
- Magenta (29%)
- Yellow (53%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 30.1098, 39.9629, 23.8959 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 30.1098, 39.9629, 23.8959 by changing the saturation by 10% instead.


 30.1098, 39.9629,
23.8959


 30.1098, 39.9629,
23.8959


294.3166,
345.9672, 285.5634


 20.0704, 27.5096,
15.0449


 59.2212, 75.1070,
50.8020

 12.5548, 17.9563,
8.7040


 79.0240, 98.5666,
69.6942

 7.1976, 10.9186,
4.4544


 102.8119,
126.4638, 92.7705

 3.6334, 6.0122,
1.8778

130.9504,
159.1830, 120.4495

 1.4969, 2.8525,
0.4786

163.8047,
197.1085, 153.1498

 0.3237, 1.0552,
0.0000

201.7403,

 0.0000, 0.0000,

240.6248, 191.2898

0.0000

245.1224,
290.1162, 235.2882

■ 30.1098, 39.9629,
23.8959

■ 30.1098, 39.9629,
23.8959

■ 27.0309, 38.4926,
18.5239

■ 33.6885, 41.6690,
30.3889

■ 24.4257, 37.2424,
14.2069

■ 37.7853, 43.6154,
38.0586

■ 22.2705, 36.2029,
10.8761

■ 42.4213, 45.8131,
46.9602

■ 20.5382, 35.3616,
8.4535

■ 47.6154, 48.2708,
57.1447

■ 19.1982, 34.7050,
6.8493

■ 53.3858, 50.9966,
68.6601

■ 18.2153, 34.2170,
5.9551

■ 59.7497, 53.9986,
81.5519

■ 17.7687, 33.9937,
5.6249

■ 66.7235, 57.2842,
95.8636

■ 72.5681, 60.1587,
102.3948

■ 76.0188, 61.9376,
102.5563

Harmonies

Analogous

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



34.8480, 39.9629, 18.3592



30.1098, 39.9629, 23.8959



27.6211, 39.9629, 35.7171

Triad

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



30.1098, 39.9629, 23.8959



35.1539, 39.9629, 85.3677



50.5544, 39.9629, 34.9121

Complementary

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



30.1098, 39.9629, 23.8959



31.0980, 25.0270, 47.4498

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.



50.6592, 39.9629, 52.3675



30.1098, 39.9629, 23.8959



41.3018, 39.9629, 84.9798

Square

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



30.1098, 39.9629, 23.8959



30.3128, 39.9629, 72.6405



47.1226, 39.9629, 71.6915



46.8501, 39.9629, 23.4446

Rectangle

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



30.1098, 39.9629, 23.8959



27.3787, 39.9629, 47.0364



47.1226, 39.9629, 71.6915



51.0242, 39.9629, 40.1697

Sweetspot

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



30.1108, 39.9646, 23.8968



71.6583, 80.5682, 75.0151



36.4106, 38.7575, 23.3318



15.5725, 17.6743, 16.0818



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.



30.1108, 39.9646, 23.8968



50.2497, 70.3793, 35.7156



28.8834, 39.2142, 29.1543



9.0884, 10.1622, 9.5894



12.5988, 24.0312, 3.9745



0.5014, 0.8767, 0.1428

Inverse Universe

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



31.0980, 25.0270, 47.4498



52.2975, 39.0959, 85.0256



32.9383, 26.1506, 39.6305



9.1629, 9.0504, 11.3434



13.4232, 6.2311, 31.7483



0.5251, 0.2464, 1.1216

Previews

White Background



This preview shows how the XYZ color 30.1098, 39.9629, 23.8959 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 30.1098, 39.9629, 23.8959 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 30.1098, 39.9629, 23.8959

Background



This preview shows how black text looks on a background with the XYZ color 30.1098, 39.9629, 23.8959.



This preview shows how white text looks on a background with the XYZ color 30.1098, 39.9629,

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

30.1098, 39.9629, 23.8959

Protanopia

36.8109, 39.6810, 21.9387

Deuteranopia

40.3778, 39.5753, 24.5794



Tritanopia

35.9598, 39.9710, 52.8336

Trichromacy



Original Color

30.1098, 39.9629, 23.8959

Protanomaly

34.0728, 39.6634, 22.6896

Deuteranomaly

35.6676, 39.0361, 24.3937

Tritanomaly

33.4883, 39.8394, 40.5751

Monochromacy



Original Color

30.1098, 39.9629, 23.8959

Achromatopsia

33.8758, 35.6400, 38.8120

Achromatomaly

32.3252, 37.1267, 32.6566

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.1098, 39.9629, 23.8959 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(135, 182, 120)` looks like.

```
.text, #text, p{  
    color:rgb(135, 182, 120)  
}
```

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(135, 182, 120) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(135, 182, 120) }
```

Border

The CSS property to change the border of an element to XYZ 30.1098, 39.9629, 23.8959 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(135, 182, 120) }
```


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

```
.border{ border-color:rgb(135, 182, 120) }
```

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

Here you see how a box with a 4 pixel `rgb(135, 182, 120)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(135, 182, 120); -webkit-box-  
shadow:4px 4px 4px 4px rgb(135, 182, 120);  
box-shadow:4px 4px 4px 4px rgb(135, 182,  
120) }
```

Background

The CSS property to change the background color of an element to XYZ 30.1098, 39.9629, 23.8959 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(135, 182, 120) }
```

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

```
.background{ background-color: rgb(135,  
182, 120) }
```

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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