

Converting Colors

XYZ(34.7360, 23.9124, 62.9742)

Have a look what the booklet for
XYZ(34.7360, 23.9124, 62.9742)
contains.

XYZ(34.8190, 23.9691, 63.1129)	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(34.8190, 23.9691,
63.1129)**

Conversions

Conversions Part 1

Format	Color
Hex	B268D1
RGB	178, 104, 209
RGB Percent	70%, 41%, 82%
CMY	0.3020, 0.5921, 0.1804
CMYK	0.15, 0.50, 0.00, 0.18
HSL	282°, 53%, 61%
HSV	282°, 50%, 82%
XYZ	34.8190, 23.9691, 63.1129
YIQ	138.0960, 10.3990, 48.3430

Conversions

Conversions Part 2

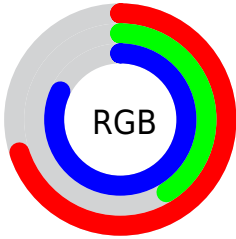
Format	Color
R _Y B	178, 104, 209
Decimal	11692241
CIE Lab	56.06, 47.17, -42.52
CIE LCh	56, 63.509, 317.970
Yxy	23.9691, 0.2856, 0.1966
Android (android.graphics.Color)	4289882321 (0xFFB268D1)
YUV	138.0960, 34.9557, 34.9958
Hunter-Lab	48.9582, 41.2719, -42.1610

Details

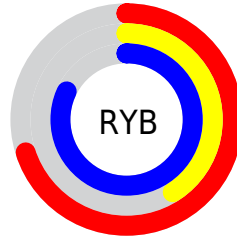
The XYZ color **34.8190, 23.9691, 63.1129** is a light color, and the websafe version is hex **9966CC**. A complement of this color would be **35.2916, 51.7519, 21.2268**, and the grayscale version is **24.0630, 25.3162, 27.5693**.

A 20% lighter version of the original color is **64.6990, 49.1668, 100.6879**, and **15.2742, 9.0903, 31.5214** is the 20% darker color. If you saturate the color by 10%, you get **31.5861, 19.5575, 62.4321**, and if you desaturate by 10%, it is **38.6386, 29.4581, 63.9714**.

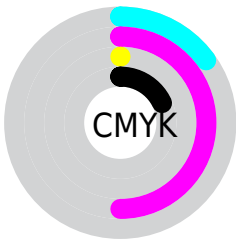
Distribution



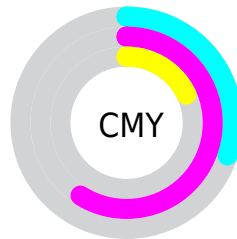
- Red (70%)
- Green (41%)
- Blue (82%)



- Red (70%)
- Yellow (41%)
- Blue (82%)



- Cyan (15%)
- Magenta (50%)
- Yellow (0%)
- Black (18%)



- Cyan (30%)
- Magenta (59%)
- Yellow (18%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 34.8190, 23.9691, 63.1129 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 34.8190, 23.9691, 63.1129 by changing the saturation by 10% instead.

34.8190, 23.9691,
63.1129

34.8190, 23.9691,
63.1129

315.2907,
272.6642, 454.0983

23.6893, 15.3107,
45.4910

66.5411, 49.9798,
110.9195

15.2268, 9.0377,
31.4986

87.8643, 68.1008,
141.9413

9.0661, 4.7658,
20.7171

113.3161, 90.1449,
178.2668

4.8418, 2.1105,
12.7282

143.2618,
116.4964, 220.3144

2.1885, 0.6705,
7.1131

178.0667,
147.5397, 268.5029

0.7367, 0.0000,
3.4534

218.0963,

0.0000, 0.0000,

183.6591, 323.2507

1.3306

263.7158,
225.2392, 384.9763

■ 0.0000, 0.0000,
0.0866

■ 0.0000, 0.0000,
0.0000

■ 34.8190, 23.9691,
63.1129

■ 34.8190, 23.9691,
63.1129

■ 31.5861, 19.5575,
62.4321

■ 38.6386, 29.4581,
63.9714

■ 28.8973, 16.1413,
61.9145

■ 43.0783, 36.0922,
65.0180

■ 26.7077, 13.6316,
61.5455

■ 48.1719, 43.9373,
66.2638

■ 24.9634, 11.9216,
61.3073

■ 53.9500, 53.0532,
67.7188

■ 23.5944, 10.8339,
61.1695

■ 60.4409, 63.4956,
69.3922

■ 67.6715, 75.3169,
71.2929

■ 75.6672, 88.5668,
73.4290

■ 79.0626, 92.5139,
74.0119

■ 81.0482, 93.5374,
74.1048

Harmonies

Analogous

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



27.3711, 23.9691, 85.6829



34.8190, 23.9691, 63.1129



39.3658, 23.9691, 35.3608

Triad

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



34.8190, 23.9691, 63.1129



25.8206, 23.9691, 3.2629



11.9064, 23.9691, 40.4959

Complementary

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



34.8190, 23.9691, 63.1129



35.2916, 51.7519, 21.2268

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.



11.6649, 23.9691, 18.6134



34.8190, 23.9691, 63.1129



18.7367, 23.9691, 3.5387

Square

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



34.8190, 23.9691, 63.1129



33.4780, 23.9691, 6.2287



13.8981, 23.9691, 7.4265



14.6477, 23.9691, 68.5449

Rectangle

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



34.8190, 23.9691, 63.1129



39.6139, 23.9691, 20.9330



13.8981, 23.9691, 7.4265



11.5552, 23.9691, 32.0501

Sweetspot

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



34.8199, 23.9701, 63.1134



80.0052, 75.8977, 105.0407



25.9524, 25.0154, 63.7826



16.7159, 15.6022, 22.3804



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.



34.8199, 23.9701, 63.1134



49.3310, 30.3993, 97.8754



40.3226, 27.0877, 50.6809



11.9567, 11.8265, 14.8962



14.6504, 6.7329, 37.7199



0.8965, 0.4163, 2.1127

Inverse Universe

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



35.6187, 25.2062, 25.9107



51.2713, 32.8747, 31.3174



32.2119, 50.0252, 27.3612



11.9503, 11.8649, 13.0140



16.7814, 8.5854, 3.7552



0.9731, 0.4940, 0.3933

Previews

White Background



This preview shows how the XYZ color 34.8190, 23.9691, 63.1129 looks on a white background.

Color Contrast Check

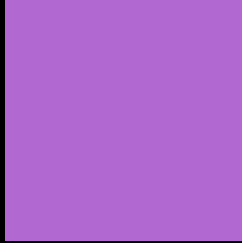
Large Text (above 18pt) WCAG AA ✓ Pass

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 34.8190, 23.9691, 63.1129 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

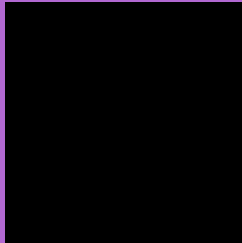
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 34.8190, 23.9691, 63.1129

Background



This preview shows how black text looks on a background with the XYZ color 34.8190, 23.9691, 63.1129.



This preview shows how white text looks on a background with the XYZ color 34.8190, 23.9691,

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

34.8190, 23.9691, 63.1129

Protanopia

27.0874, 24.2970, 81.1040

Deuteranopia

24.7841, 24.1868, 59.8622



Tritanopia

26.9737, 23.9389, 25.0288

Trichromacy



Original Color

34.8190, 23.9691, 63.1129



Protanomaly

28.3131, 23.1759, 74.2153



Deuteranomaly

27.3083, 23.3195, 60.8194



Tritanomaly

29.1681, 23.5749, 36.2708

Monochromacy



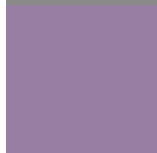
Original Color

34.8190, 23.9691, 63.1129



Achromatopsia

24.1572, 25.4152, 27.6772



Achromatomaly

27.2986, 24.3743, 38.3879

CSS Examples

Text

The CSS property to change the color of the text to XYZ 34.8190, 23.9691, 63.1129 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(178, 104, 209)` looks like.

```
.text, #text, p{  
    color:rgb(178, 104, 209)  
}
```

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(178, 104, 209) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(178, 104, 209) }
```

Border

The CSS property to change the border of an element to XYZ 34.8190, 23.9691, 63.1129 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(178, 104, 209) }
```


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

```
.border{ border-color:rgb(178, 104, 209) }
```

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

Here you see how a box with a 4 pixel `rgb(178, 104, 209)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(178, 104, 209); -webkit-box-  
shadow:4px 4px 4px 4px rgb(178, 104, 209);  
box-shadow:4px 4px 4px 4px rgb(178, 104,  
209) }
```

Background

The CSS property to change the background color of an element to XYZ 34.8190, 23.9691, 63.1129 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(178, 104, 209) }
```

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

```
.background{ background-color: rgb(178,  
104, 209) }
```

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