

Converting Colors

XYZ(32.9293, 23.1283, 58.4709)

Have a look what the booklet for
XYZ(32.9293, 23.1283, 58.4709)
contains.

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Color

**XYZ(32.8446, 23.0491,
58.5949)**

Conversions

Conversions Part 1

Format	Color
Hex	AD68CA
RGB	173, 104, 202
RGB Percent	68%, 41%, 79%
CMY	0.3216, 0.5921, 0.2078
CMYK	0.14, 0.49, 0.00, 0.21
HSL	282°, 48%, 60%
HSV	282°, 49%, 79%
XYZ	32.8446, 23.0491, 58.5949
YIQ	135.8030, 9.6660, 45.1060

Conversions

Conversions Part 2

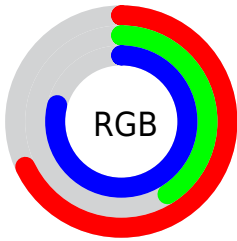
Format	Color
R _Y B	173, 104, 202
Decimal	11364554
CIE Lab	55.12, 44.31, -40.05
CIE LCh	55, 59.726, 317.886
Yxy	23.0491, 0.2869, 0.2013
Android (android.graphics.Color)	4289554634 (0xFFAD68CA)
YUV	135.8030, 32.6351, 32.6218
Hunter-Lab	48.0095, 38.1002, -38.7560

Details

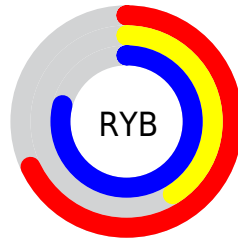
The XYZ color **32.8446, 23.0491, 58.5949** is a light color, and the websafe version is hex **9966CC**. A complement of this color would be **33.2926, 48.2275, 20.6517**, and the grayscale version is **23.2082, 24.4168, 26.5899**.

A 20% lighter version of the original color is **62.7401, 48.1569, 100.5962**, and **14.0108, 8.5043, 28.5068** is the 20% darker color. If you saturate the color by 10%, you get **29.7574, 18.7926, 57.9364**, and if you desaturate by 10%, it is **36.4796, 28.3119, 59.4195**.

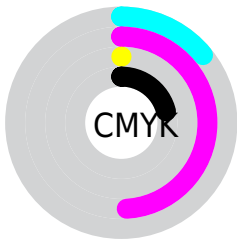
Distribution



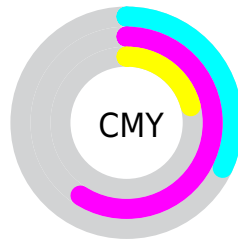
- Red (68%)
- Green (41%)
- Blue (79%)



- Red (68%)
- Yellow (41%)
- Blue (79%)



- Cyan (14%)
- Magenta (49%)
- Yellow (0%)
- Black (21%)





- Cyan (32%)
- Magenta (59%)
- Yellow (21%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 32.8446, 23.0491, 58.5949 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 32.8446, 23.0491, 58.5949 by changing the saturation by 10% instead.

 32.8446, 23.0491,
58.5949


 32.8446, 23.0491,
58.5949

306.6263,
267.9771, 437.0590


 22.1661, 14.6298,
41.8692


 63.4891, 48.4739,
104.3120


 14.0963, 8.5600,
28.6741


 84.1859, 66.2482,
134.1405

 8.2698, 4.4553,
18.5910


 108.9527, 87.9096,
169.1737

 4.3213, 1.9314,
11.2013

 138.1551,
113.8425, 209.8301

 1.8855, 0.5671,
6.0865

172.1582,
144.4313, 256.5283

 0.5684, 0.0000,
2.8281

211.3276,

 0.0000, 0.0000,

180.0604, 309.6869

1.0076

256.0285,
221.1142, 369.7243

■ 0.0000, 0.0000,
0.0000

■ 32.8446, 23.0491,
58.5949

■ 32.8446, 23.0491,
58.5949

■ 29.7574, 18.7926,
57.9364

■ 36.4796, 28.3119,
59.4195

■ 27.1793, 15.4685,
57.4307

■ 40.6924, 34.6421,
60.4193

■ 25.0704, 12.9970,
57.0648

■ 45.5138, 42.0995,
61.6046

■ 23.3825, 11.2835,
56.8230

■ 50.9714, 50.7384,
62.9845

■ 22.0410, 10.1794,
56.6806

■ 57.0913, 60.6095,
64.5672

■ 21.8550, 10.0352,
56.6625

■ 63.8977, 71.7607,
66.3609

■ 71.4139, 84.2370,
68.3729

■ 76.1851, 91.1284,
69.4516

■ 78.0358, 92.0825,
69.5382

Harmonies

Analogous

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



26.0799, 23.0491, 78.6699



32.8446, 23.0491, 58.5949



36.9627, 23.0491, 33.6057

Triad

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



32.8446, 23.0491, 58.5949



24.7060, 23.0491, 3.6065



11.8417, 23.0491, 38.1274

Complementary

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



32.8446, 23.0491, 58.5949



33.2926, 48.2275, 20.6517

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.



11.6217, 23.0491, 18.1606



32.8446, 23.0491, 58.5949



18.2057, 23.0491, 3.8751

Square

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



32.8446, 23.0491, 58.5949



31.6649, 23.0491, 6.5388



13.7158, 23.0491, 7.6627



14.3938, 23.0491, 63.3109

Rectangle

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



32.8446, 23.0491, 58.5949



37.1957, 23.0491, 20.3942



13.7158, 23.0491, 7.6627



11.5145, 23.0491, 30.4713

Sweetspot

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



32.8454, 23.0501, 58.5954



79.9963, 75.8931, 105.0403



24.8128, 24.0930, 59.2201



16.7137, 15.6010, 22.3803



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.



32.8454, 23.0501, 58.5954



50.2495, 31.6399, 98.0664



37.7929, 25.8519, 47.4716



11.3517, 11.2306, 14.1398



14.1563, 6.5054, 36.4658



0.8041, 0.3736, 1.8847

Inverse Universe

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



33.5416, 24.1514, 25.0847



52.0831, 34.0262, 33.0433



30.4430, 46.6298, 26.3332



11.3466, 11.2674, 12.3600



16.2289, 8.3021, 3.6580



0.8708, 0.4417, 0.3657

Previews

White Background



This preview shows how the XYZ color 32.8446, 23.0491, 58.5949 looks on a white background.

Color Contrast Check

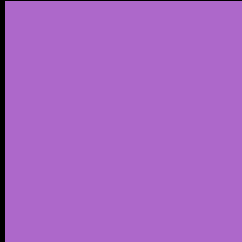
Large Text (above 18pt) WCAG AA ✓ Pass

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 32.8446, 23.0491, 58.5949 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

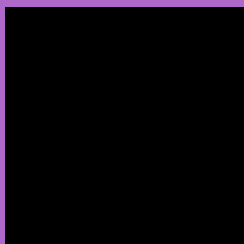
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 32.8446, 23.0491, 58.5949

Background



This preview shows how black text looks on a background with the XYZ color 32.8446, 23.0491, 58.5949.



This preview shows how white text looks on a background with the XYZ color 32.8446, 23.0491,

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

32.8446, 23.0491, 58.5949

Protanopia

25.7184, 23.3576, 73.6740

Deuteranopia

24.0382, 23.4768, 56.0878



Tritanopia

25.7669, 22.9678, 24.1943

Trichromacy



Original Color

32.8446, 23.0491, 58.5949

Protanomaly

26.9963, 22.4558, 67.8773

Deuteranomaly

26.3216, 22.7097, 57.0289

Tritanomaly

27.8574, 22.7688, 34.3791

Monochromacy



Original Color

32.8446, 23.0491, 58.5949

Achromatopsia

23.4014, 24.6201, 26.8113

Achromatomaly

25.9472, 23.3429, 36.3958

CSS Examples

Text

The CSS property to change the color of the text to XYZ 32.8446, 23.0491, 58.5949 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(173, 104, 202)` looks like.

```
.text, #text, p{  
    color:rgb(173, 104, 202)  
}
```

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(173, 104, 202) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(173, 104, 202) }
```

Border

The CSS property to change the border of an element to XYZ 32.8446, 23.0491, 58.5949 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(173, 104, 202) }
```


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

```
.border{ border-color:rgb(173, 104, 202) }
```

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

Here you see how a box with a 4 pixel `rgb(173, 104, 202)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(173, 104, 202); -webkit-box-  
shadow:4px 4px 4px 4px rgb(173, 104, 202);  
box-shadow:4px 4px 4px 4px rgb(173, 104,  
202) }
```

Background

The CSS property to change the background color of an element to XYZ 32.8446, 23.0491, 58.5949 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(173, 104, 202) }
```

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

```
.background{ background-color: rgb(173,  
104, 202) }
```

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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