

Converting Colors

XYZ(32.3610, 23.1833, 56.3041)

Have a look what the booklet for
XYZ(32.3610, 23.1833, 56.3041)
contains.

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Color

**XYZ(32.3603, 23.1559,
56.1900)**

Conversions

Conversions Part 1

Format	Color
Hex	AC6AC6
RGB	172, 106, 198
RGB Percent	67%, 42%, 78%
CMY	0.3255, 0.5843, 0.2235
CMYK	0.13, 0.46, 0.00, 0.22
HSL	283°, 45%, 60%
HSV	283°, 46%, 78%
XYZ	32.3603, 23.1559, 56.1900
YIQ	136.2220, 9.8040, 42.6040

Conversions

Conversions Part 2

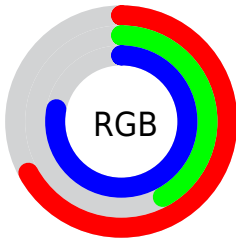
Format	Color
RYB	172, 106, 198
Decimal	11299526
CIELab	55.23, 42.10, -37.61
CIELCh	55, 56.450, 318.226
Yxy	23.1559, 0.2897, 0.2073
Android (android.graphics.Color)	4289489606 (0xFFAC6AC6)
YUV	136.2220, 30.4566, 31.3773
Hunter-Lab	48.1206, 35.8273, -35.5480

Details

The XYZ color **32.3603, 23.1559, 56.1900** is a light color, and the websafe version is hex **9966CC**. A complement of this color would be **32.3120, 46.3348, 20.8771**, and the grayscale version is **23.3725, 24.5897, 26.7781**.

A 20% lighter version of the original color is **62.7612, 48.6743, 100.6949**, and **13.9194, 8.6935, 27.3299** is the 20% darker color. If you saturate the color by 10%, you get **29.3483, 18.9163, 55.5308**, and if you desaturate by 10%, it is **35.8967, 28.3661, 57.0097**.

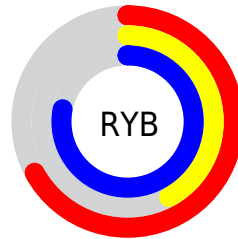
Distribution



Red (67%)

Green (42%)

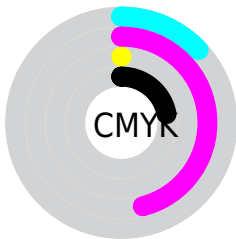
Blue (78%)



Red (67%)

Yellow (42%)

Blue (78%)

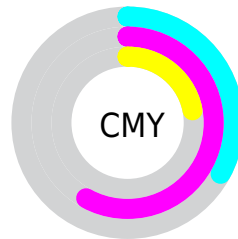


Cyan (13%)

Magenta (46%)

Yellow (0%)

Black (22%)



Cyan (33%)


Magenta (58%)


Yellow (22%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 32.3603, 23.1559, 56.1900 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 32.3603, 23.1559, 56.1900 by changing the saturation by 10% instead.


 32.3603, 23.1559,
56.1900


 32.3603, 23.1559,
56.1900


304.4735,
268.5247, 427.8156

 21.7937, 14.7087,
39.9503


 62.7369, 48.6492,
100.7709


 13.8212, 8.6152,
27.1863


 83.2776, 66.4640,
129.9491

 8.0773, 4.4910,
17.4795


 107.8738, 88.1702,
164.2773

 4.1966, 1.9519,
10.4114

 136.8907,
114.1521, 204.1739

 1.8140, 0.5793,
5.5634

170.6938,
144.7941, 250.0574

 0.5261, 0.0000,
2.5170

209.6484,

 0.0000, 0.0000,

180.4806, 302.3466

0.8492

254.1198,
221.5960, 361.4597

■ 0.0000, 0.0000,
0.0000

■ 32.3603, 23.1559,
56.1900

■ 32.3603, 23.1559,
56.1900

■ 29.3483, 18.9163,
55.5308

■ 35.8967, 28.3661,
57.0097

■ 26.8248, 15.5784,
55.0195

■ 39.9853, 34.6039,
57.9982

■ 24.7527, 13.0686,
54.6443

■ 44.6550, 41.9251,
59.1652

■ 23.0883, 11.3001,
54.3907

■ 49.9315, 50.3806,
60.5192

■ 21.7749, 10.1607,
54.2400

■ 55.8393, 60.0182,
62.0680

■ 21.3561, 9.8320,
54.1986

■ 62.4011, 70.8827,
63.8192

■ 69.6387, 83.0167,
65.7799

■ 74.4990, 90.3132,
66.9321

■ 76.1883, 91.1841,
67.0111

Harmonies

Analogous

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



26.0282, 23.1559, 74.7495



32.3603, 23.1559, 56.1900



36.1602, 23.1559, 32.9932

Triad

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



32.3603, 23.1559, 56.1900



24.5802, 23.1559, 4.1956



12.3750, 23.1559, 37.7245

Complementary

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



32.3603, 23.1559, 56.1900



32.3120, 46.3348, 20.8771

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.



12.1357, 23.1559, 18.7632



32.3603, 23.1559, 56.1900



18.4264, 23.1559, 4.5095

Square

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



32.3603, 23.1559, 56.1900



31.1272, 23.1559, 7.1572



14.1403, 23.1559, 8.4199



14.8719, 23.1559, 61.0439

Rectangle

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



32.3603, 23.1559, 56.1900



36.3423, 23.1559, 20.5586



14.1403, 23.1559, 8.4199



12.0481, 23.1559, 30.5213

Sweetspot

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



32.3611, 23.1569, 56.1905



81.0850, 77.4362, 105.2808



24.3980, 23.6629, 56.7079



16.9372, 15.9095, 22.4281



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.



32.3611, 23.1569, 56.1905



51.7862, 33.2458, 98.2954



36.4859, 25.5317, 45.1603



10.7797, 10.6602, 13.4070



13.9755, 6.4389, 35.2506



0.7300, 0.3401, 1.6723

Inverse Universe

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



32.6082, 23.9806, 24.7407



52.7694, 35.1778, 33.9538



29.9002, 44.9575, 26.8188



10.7550, 10.6854, 11.6933



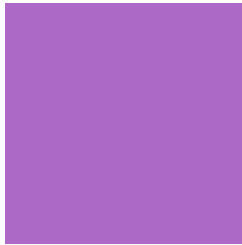
15.6408, 8.0059, 3.3182



0.7724, 0.3918, 0.3246

Previews

White Background



This preview shows how the XYZ color 32.3603, 23.1559, 56.1900 looks on a white background.

Color Contrast Check

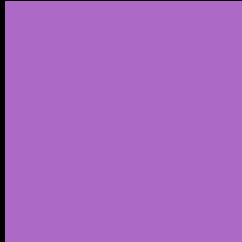
Large Text (above 18pt) WCAG AA ✓ Pass

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 32.3603, 23.1559, 56.1900 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

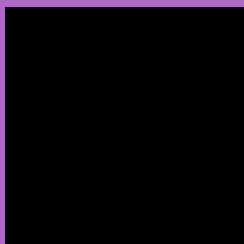
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 32.3603, 23.1559, 56.1900

Background



This preview shows how black text looks on a background with the XYZ color 32.3603, 23.1559, 56.1900.



This preview shows how white text looks on a background with the XYZ color 32.3603, 23.1559,

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

32.3603, 23.1559, 56.1900

Protanopia

25.6986, 23.6211, 70.2227

Deuteranopia

24.0612, 23.5409, 53.7278



Tritanopia

25.9566, 23.2391, 24.5903

Trichromacy



Original Color

32.3603, 23.1559, 56.1900

Protanomaly

26.9074, 22.6630, 64.5842

Deuteranomaly

26.2934, 22.9313, 54.6701

Tritanomaly

27.8877, 22.9643, 33.9731

Monochromacy



Original Color

32.3603, 23.1559, 56.1900

Achromatopsia

23.4014, 24.6201, 26.8113

Achromatomaly

25.9860, 23.5600, 35.9788

CSS Examples

Text

The CSS property to change the color of the text to XYZ 32.3603, 23.1559, 56.1900 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(172, 106, 198)` looks like.

```
.text, #text, p{  
    color:rgb(172, 106, 198)  
}
```

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(172, 106, 198) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(172, 106, 198) }
```

Border

The CSS property to change the border of an element to XYZ 32.3603, 23.1559, 56.1900 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(172, 106, 198) }
```


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

```
.border{ border-color:rgb(172, 106, 198) }
```

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

Here you see how a box with a 4 pixel rgb(172, 106, 198) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(172, 106, 198); -webkit-box-  
shadow:4px 4px 4px 4px rgb(172, 106, 198);  
box-shadow:4px 4px 4px 4px rgb(172, 106,  
198) }
```

Background

The CSS property to change the background color of an element to XYZ 32.3603, 23.1559, 56.1900 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(172, 106, 198) }
```

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

```
.background{ background-color: rgb(172,  
106, 198) }
```

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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