

Converting Colors

XYZ(30.2070, 23.8440, 48.3577)

Have a look what the booklet for
XYZ(30.2070, 23.8440, 48.3577)
contains.

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Color

**XYZ(30.2070, 23.8440,
48.3577)**

Conversions

Conversions Part 1

Format	Color
Hex	A474B8
RGB	164, 116, 184
RGB Percent	64%, 45%, 72%
CMY	0.3569, 0.5451, 0.2784
CMYK	0.11, 0.37, 0.00, 0.28
HSL	282°, 32%, 59%
HSV	282°, 37%, 72%
XYZ	30.2070, 23.8440, 48.3577
YIQ	138.1040, 6.7800, 31.3240

Conversions

Conversions Part 2

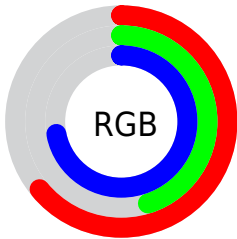
Format	Color
RYB	164, 116, 184
Decimal	10777784
CIELab	55.93, 31.17, -28.57
CIELCh	56, 42.281, 317.485
Yxy	23.8440, 0.2950, 0.2328
Android (android.graphics.Color)	4288967864 (0xFFA474B8)
YUV	138.1040, 22.6267, 22.7108
Hunter-Lab	48.8303, 24.9691, -24.5349

Details

The XYZ color **30.2070, 23.8440, 48.3577** is a light color, and the websafe version is hex **996699**. A complement of this color would be **30.4470, 40.7768, 22.7900**, and the grayscale version is **24.1124, 25.3682, 27.6259**.

A 20% lighter version of the original color is **59.4313, 49.8828, 88.9341**, and **12.6594, 9.0325, 22.5490** is the 20% darker color. If you saturate the color by 10%, you get **27.1994, 19.4511, 47.6687**, and if you desaturate by 10%, it is **33.6838, 29.1035, 49.1900**.

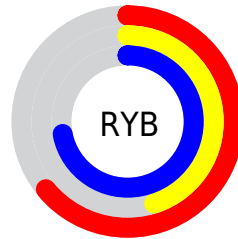
Distribution



Red (64%)

Green (45%)

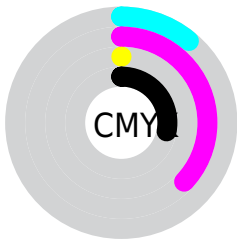
Blue (72%)



Red (64%)

Yellow (45%)

Blue (72%)

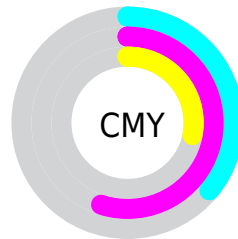


Cyan (11%)

Magenta (37%)

Yellow (0%)

Black (28%)



Cyan (36%)

Magenta (55%)

Yellow (28%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 30.2070, 23.8440, 48.3577 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 30.2070, 23.8440, 48.3577 by changing the saturation by 10% instead.

■ 30.2070, 23.8440,
48.3577

■ 30.2070, 23.8440,
48.3577

294.7607,
272.0308, 396.7578

■ 20.1446, 15.2179,
33.7482

■ 59.3738, 49.7755,
89.1078

■ 12.6091, 8.9725,
22.4245

■ 79.2089, 67.8498,
116.0856

■ 7.2351, 4.7232,
13.9678

■ 103.0322, 89.8422,
148.0232

■ 3.6572, 2.0858,
7.9598

131.2092,
116.1372, 185.3392

■ 1.5101, 0.6566,
3.9818

164.1052,
147.1191, 228.4521

■ 0.3327, 0.0000,
1.6154

202.0855,

■ 0.0000, 0.0000,

183.1725, 277.7804

0.3018

245.5156,
224.6816, 333.7428

■ 0.0000, 0.0000,
0.0000

■ 30.2070, 23.8440,
48.3577

■ 30.2070, 23.8440,
48.3577

■ 27.1994, 19.4511,
47.6687

■ 33.6838, 29.1035,
49.1900

■ 24.6330, 15.8717,
47.1130

■ 37.6509, 35.2727,
50.1717

■ 22.4806, 13.0514,
46.6821

■ 42.1308, 42.3953,
51.3104

■ 20.7105, 10.9276,
46.3655

■ 47.1440, 50.5114,
52.6127

■ 19.2857, 9.4277,
46.1511

■ 52.7097, 59.6585,
54.0850

■ 18.1552, 8.4502,
46.0220

■ 58.8461, 69.8725,
55.7330

■ 17.8399, 8.1973,
45.9898

■ 65.5706, 81.1873,
57.5626

■ 70.2266, 88.2887,
58.6879

■ 71.7675, 89.0831,
58.7600

Harmonies

Analogous

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



25.5644, 23.8440, 60.4160



30.2070, 23.8440, 48.3577



32.9727, 23.8440, 32.1515

Triad

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



30.2070, 23.8440, 48.3577



24.7321, 23.8440, 7.7103



14.9202, 23.8440, 34.7851

Complementary

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



30.2070, 23.8440, 48.3577



30.4470, 40.7768, 22.7900

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.



14.7633, 23.8440, 20.6228



30.2070, 23.8440, 48.3577



19.9899, 23.8440, 7.9786

Square

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



30.2070, 23.8440, 48.3577



29.5237, 23.8440, 10.8962



16.4929, 23.8440, 11.8346



16.9571, 23.8440, 50.8646

Rectangle

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



30.2070, 23.8440, 48.3577



33.1544, 23.8440, 22.6545



16.4929, 23.8440, 11.8346



14.6574, 23.8440, 29.5769

Sweetspot

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



30.2078, 23.8450, 48.3582



72.8226, 71.1763, 92.1048



24.7157, 24.8959, 48.8505



15.4640, 14.9704, 19.7961



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.



30.2078, 23.8450, 48.3582



50.4450, 36.8966, 86.6676



33.3069, 25.5995, 41.4153



9.1167, 9.0265, 11.3412



12.3683, 5.6873, 31.6989



0.4946, 0.2307, 1.1202

Inverse Universe

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



30.4572, 24.4597, 26.4094



51.2051, 38.3130, 40.4138



28.3462, 39.5956, 27.1283



9.1104, 9.0545, 9.9287



14.1116, 7.2184, 3.2085



0.5255, 0.2657, 0.2605

Previews

White Background



This preview shows how the XYZ color 30.2070, 23.8440, 48.3577 looks on a white background.

Color Contrast Check

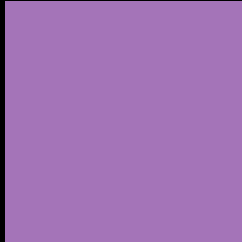
Large Text (above 18pt) WCAG AA ✓ Pass

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 30.2070, 23.8440, 48.3577 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

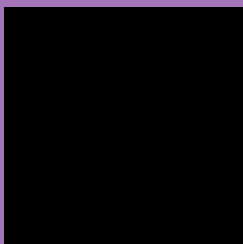
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 30.2070, 23.8440, 48.3577

Background



This preview shows how black text looks on a background with the XYZ color 30.2070, 23.8440, 48.3577.



This preview shows how white text looks on a background with the XYZ color 30.2070, 23.8440,

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

30.2070, 23.8440, 48.3577

Protanopia

25.1394, 24.0445, 56.1394

Deuteranopia

24.4769, 23.9037, 47.0399



Tritanopia

25.8094, 23.8674, 26.5391

Trichromacy



Original Color

30.2070, 23.8440, 48.3577

Protanomaly

26.4910, 23.6330, 53.0346

Deuteranomaly

26.2209, 23.6175, 47.4326

Tritanomaly

27.2065, 23.6926, 33.2762

Monochromacy



Original Color

30.2070, 23.8440, 48.3577

Achromatopsia

24.1572, 25.4152, 27.6772

Achromatomaly

25.9316, 24.5349, 34.3793

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.2070, 23.8440, 48.3577 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(164, 116, 184)` looks like.

```
.text, #text, p{  
    color:rgb(164, 116, 184)  
}
```

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(164, 116, 184) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(164, 116, 184) }
```

Border

The CSS property to change the border of an element to XYZ 30.2070, 23.8440, 48.3577 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(164, 116, 184) }
```


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

```
.border{ border-color:rgb(164, 116, 184) }
```

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

Here you see how a box with a 4 pixel `rgb(164, 116, 184)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(164, 116, 184); -webkit-box-  
shadow:4px 4px 4px 4px rgb(164, 116, 184);  
box-shadow:4px 4px 4px 4px rgb(164, 116,  
184) }
```

Background

The CSS property to change the background color of an element to XYZ 30.2070, 23.8440, 48.3577 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(164, 116, 184) }
```

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

```
.background{ background-color: rgb(164,  
116, 184) }
```

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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