

# Converting Colors

XYZ(30.5921, 24.6429, 53.0165)

Have a look what the booklet for  
XYZ(30.5921, 24.6429, 53.0165)  
contains.

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# Color

**XYZ(30.5290, 24.6096,  
53.0103)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	9F78C0
RGB	159, 120, 192
RGB Percent	62%, 47%, 75%
CMY	0.3765, 0.5294, 0.2471
CMYK	0.17, 0.37, 0.00, 0.25
HSL	273°, 36%, 61%
HSV	273°, 37%, 75%
XYZ	30.5290, 24.6096, 53.0103
YIQ	139.8690, 0.1320, 30.6600

# Conversions

## Conversions Part 2

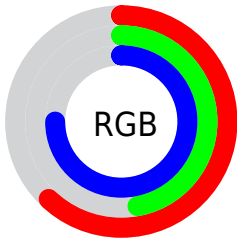
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	159, 120, 192
Decimal	10451136
CIE <sub>Lab</sub>	56.69, 29.09, -32.00
CIE <sub>LCh</sub>	57, 43.249, 312.269
Yxy	24.6096, 0.2823, 0.2276
Android (android.graphics.Color)	4288641216 (0xFF9F78C0)
YUV	139.8690, 25.7006, 16.7779
Hunter-Lab	49.6081, 23.0355, -28.6306

# Details

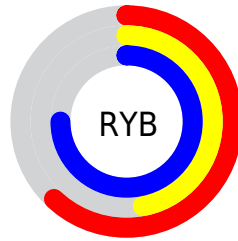
The XYZ color **30.5290, 24.6096, 53.0103** is a light color, and the websafe version is hex **996699**. A complement of this color would be **35.3773, 45.8282, 24.7514**, and the grayscale version is **24.7805, 26.0711, 28.3914**.

A 20% lighter version of the original color is **60.0668, 51.1738, 96.3342**, and **12.7845, 9.4056, 25.1864** is the 20% darker color. If you saturate the color by 10%, you get **26.7640, 19.5782, 52.2380**, and if you desaturate by 10%, it is **34.8829, 30.6330, 53.9439**.

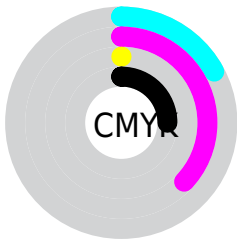
# Distribution



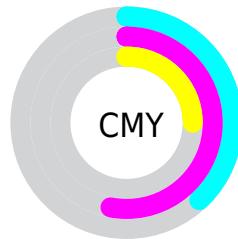
- Red (62%)
- Green (47%)
- Blue (75%)



- Red (62%)
- Yellow (47%)
- Blue (75%)



- Cyan (17%)
- Magenta (37%)
- Yellow (0%)
- Black (25%)



- Cyan (38%)
- Magenta (53%)
- Yellow (25%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 30.5290, 24.6096, 53.0103 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 30.5290, 24.6096, 53.0103 by changing the saturation by 10% instead.



■ 30.5290, 24.6096,  
53.0103

■ 30.5290, 24.6096,  
53.0103

296.2283,  
275.8881, 415.3921

■ 20.3905, 15.7864,  
37.4232

■ 59.8787, 51.0232,  
96.0612

■ 12.7891, 9.3732,  
25.2370

■ 79.8206, 69.3824,  
124.3621

■ 7.3595, 4.9854,  
16.0331

■ 103.7610, 91.6890,  
157.7381

■ 3.7363, 2.2387,  
9.3930

132.0653,  
118.3275, 196.6076

■ 1.5540, 0.7410,  
4.8981

165.0988,  
149.6823, 241.3892

■ 0.3622, 0.0000,  
2.1299

203.2269,

■ 0.0000, 0.0000,

186.1377, 292.5015

0.6335

246.8150,  
228.0782, 350.3629

■ 0.0000, 0.0000,  
0.0000

■ 30.5290, 24.6096,  
53.0103

■ 30.5290, 24.6096,  
53.0103

■ 26.7640, 19.5782,  
52.2380

■ 34.8829, 30.6330,  
53.9439

■ 23.5550, 15.4787,  
51.6158

■ 39.8512, 37.6977,  
55.0456

■ 20.8693, 12.2493,  
51.1340

■ 45.4608, 45.8533,  
56.3242

■ 18.6694, 9.8187,  
50.7808

■ 51.7361, 55.1451,  
57.7869

■ 16.9118, 8.1042,  
50.5425

■ 58.7003, 65.6160,  
59.4409

■ 15.5346, 6.9867,  
50.3994

■ 66.3754, 77.3066,  
61.2929

■ 15.2236, 6.7490,  
50.3699

■ 74.7822, 90.2555,  
63.3492

■ 77.7159, 92.0500,  
63.5410

■ 80.6021, 93.5378,  
63.6761

# Harmonies

## Analogous

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



25.5099, 24.6096, 64.0685



30.5290, 24.6096, 53.0103



33.8824, 24.6096, 36.1625

# Triad

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



30.5290, 24.6096, 53.0103



26.4662, 24.6096, 8.1069



15.1453, 24.6096, 33.1332

# Complementary

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



30.5290, 24.6096, 53.0103



35.3773, 45.8282, 24.7514

# 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.



15.3248, 24.6096, 19.2044



30.5290, 24.6096, 53.0103



21.3922, 24.6096, 7.8025

# Square

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



30.5290, 24.6096, 53.0103



31.3151, 24.6096, 12.1333



17.4620, 24.6096, 11.0642



16.9304, 24.6096, 50.1190



# Rectangle

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



30.5290, 24.6096, 53.0103



34.4650, 24.6096, 25.7123



17.4620, 24.6096, 11.0642



14.9860, 24.6096, 27.9090

# Sweetspot

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



30.5299, 24.6106, 53.0109



78.4959, 77.4134, 101.1654



28.7507, 30.7791, 54.2953



16.5400, 16.1711, 21.6349



92.9021, 97.7402, 106.4391



19.4759, 20.4902, 22.3138



# Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



30.5299, 24.6106, 53.0109



49.6321, 36.9685, 94.8800



37.7059, 28.3405, 51.9697



10.0378, 10.0107, 12.6880



10.3345, 4.5881, 33.8975



0.5253, 0.2388, 1.4683



# Inverse Universe

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



34.2051, 26.9402, 33.5348



57.5814, 41.9972, 53.2077



30.1338, 43.1080, 25.2760



10.2609, 10.1530, 11.4644



15.8511, 8.0302, 7.1280



0.7196, 0.3609, 0.4909



# Previews

## White Background



This preview shows how the XYZ color 30.5290, 24.6096, 53.0103 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 30.5290, 24.6096, 53.0103 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

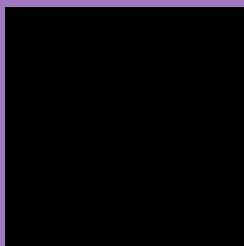
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

**XYZ 30.5290, 24.6096, 53.0103**

## **Background**



This preview shows how black text looks on a background with the XYZ color 30.5290, 24.6096, 53.0103.



This preview shows how white text looks on a background with the XYZ color 30.5290, 24.6096,



# 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

30.5290, 24.6096, 53.0103

### Protanopia

26.1146, 24.8727, 59.9244

### Deuteranopia

25.4570, 24.9240, 51.6132



## Tritanopia

25.6865, 24.7350, 28.6198

# Trichromacy



## Original Color

30.5290, 24.6096, 53.0103

## Protanomaly

27.3650, 24.5699, 57.3330

## Deuteranomaly

27.1084, 24.7513, 52.0639

## Tritanomaly

27.2610, 24.5868, 36.5666

# Monochromacy



## Original Color

30.5290, 24.6096, 53.0103

## Achromatopsia

24.9269, 26.2251, 28.5591

## Achromatomaly

26.6782, 25.4813, 36.3132

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 30.5290, 24.6096, 53.0103 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(159, 120, 192)` looks like.

```
.text, #text, p{  
    color:rgb(159, 120, 192)  
}
```

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(159, 120, 192) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(159, 120, 192) }
```

## Border

The CSS property to change the border of an element to XYZ 30.5290, 24.6096, 53.0103 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(159, 120, 192) }
```



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

```
.border{ border-color:rgb(159, 120, 192) }
```

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

Here you see how a box with a 4 pixel `rgb(159, 120, 192)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(159, 120, 192); -webkit-box-shadow:4px 4px 4px 4px rgb(159, 120, 192); box-shadow:4px 4px 4px 4px rgb(159, 120, 192) }
```

# Background

The CSS property to change the background color of an element to XYZ 30.5290, 24.6096, 53.0103 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(159, 120, 192) }
```

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

```
.background{ background-color: rgb(159,  
120, 192) }
```

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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