

Converting Colors

XYZ(30.3128, 23.8099, 33.1416)

Have a look what the booklet for
XYZ(30.3128, 23.8099, 33.1416)
contains.

XYZ(30.2453, 23.6939, 33.1163)	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(30.2453, 23.6939,
33.1163)**

Conversions

Conversions Part 1

Format	Color
Hex	B37199
RGB	179, 113, 153
RGB Percent	70%, 44%, 60%
CMY	0.2980, 0.5568, 0.4000
CMYK	0.00, 0.37, 0.15, 0.30
HSL	324°, 30%, 57%
HSV	324°, 37%, 70%
XYZ	30.2453, 23.6939, 33.1163
YIQ	137.2940, 26.4960, 26.4320

Conversions

Conversions Part 2

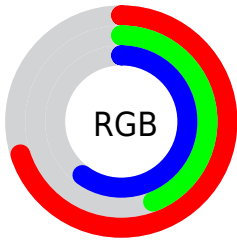
Format	Color
RYB	179, 113, 153
Decimal	11760025
CIELab	55.78, 31.96, -10.74
CIELCh	56, 33.718, 341.423
Yxy	23.6939, 0.3474, 0.2722
Android (android.graphics.Color)	4289950105 (0xFFB37199)
YUV	137.2940, 7.7431, 36.5762
Hunter-Lab	48.6764, 25.7282, -6.2637

Details

The XYZ color **30.2453, 23.6939, 33.1163** is a light color, and the websafe version is hex **996699**. A complement of this color would be **27.5914, 37.6156, 30.2341**, and the grayscale version is **23.8543, 25.0966, 27.3302**.

A 20% lighter version of the original color is **59.4908, 49.6103, 65.4717**, and **12.6332, 8.8743, 13.6174** is the 20% darker color. If you saturate the color by 10%, you get **27.8765, 19.8608, 29.5375**, and if you desaturate by 10%, it is **33.0438, 28.3307, 37.0086**.

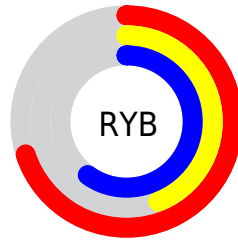
Distribution



Red (70%)

Green (44%)

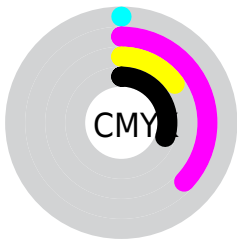
Blue (60%)



Red (70%)

Yellow (44%)

Blue (60%)

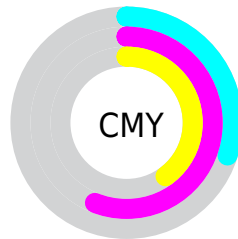


Cyan (0%)

Magenta (37%)

Yellow (15%)

Black (30%)



Cyan (30%)


Magenta (56%)


Yellow (40%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 30.2453, 23.6939, 33.1163 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 30.2453, 23.6939, 33.1163 by changing the saturation by 10% instead.


 30.2453, 23.6939,
33.1163


 30.2453, 23.6939,
33.1163


294.9355,
271.2693, 330.8215


 20.1738, 15.1067,
21.9437

 59.4339, 49.5302,
65.6752


 12.6305, 8.8943,
13.6176


 79.2817, 67.5482,
87.8985

 7.2498, 4.6723,
7.7195


 103.1190, 89.4784,
114.6425

 3.6665, 2.0563,
3.8308

 131.3112,
115.7055, 146.3258

 1.5153, 0.6399,
1.5330

164.2236,
146.6137, 183.3667

 0.3362, 0.0000,
0.2423

202.2215,

 0.0000, 0.0000,

182.5875, 226.1840

0.0000

245.6704,
224.0112, 275.1961

■ 30.2453, 23.6939,
33.1163

■ 30.2453, 23.6939,
33.1163

■ 27.8765, 19.8608,
29.5375

■ 33.0438, 28.3307,
37.0086

■ 25.9114, 16.7813,
26.2601

■ 36.2918, 33.8108,
41.2233

■ 24.3244, 14.4048,
23.2726

■ 40.0105, 40.1753,
45.7703

■ 23.0860, 12.6732,
20.5622

■ 44.2188, 47.4613,
50.6586

■ 22.1617, 11.5186,
18.1143

■ 48.9349, 55.7042,
55.8971

■ 21.5035, 10.8463,
15.9096

■ 54.1758, 64.9373,
61.4938

■ 21.3230, 10.6768,
15.2590

■ 59.9578, 75.1921,
67.4569

■ 65.9107, 85.7279,
73.6653

■ 66.8058, 86.0859,
78.3786

Harmonies

Analogous

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



27.7513, 23.6939, 45.0605



30.2453, 23.6939, 33.1163



30.5357, 23.6939, 21.8437

Triad

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



30.2453, 23.6939, 33.1163



21.0934, 23.6939, 10.1581



17.4382, 23.6939, 42.4156

Complementary

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



30.2453, 23.6939, 33.1163



27.5914, 37.6156, 30.2341

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.



16.0469, 23.6939, 30.2042



30.2453, 23.6939, 33.1163



17.9918, 23.6939, 12.9973

Square

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



30.2453, 23.6939, 33.1163



24.9484, 23.6939, 10.5284



16.2373, 23.6939, 19.6471



20.2552, 23.6939, 51.3928

Rectangle

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



30.2453, 23.6939, 33.1163



29.4057, 23.6939, 16.2927



16.2373, 23.6939, 19.6471



16.8035, 23.6939, 38.4276

Sweetspot

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



30.2460, 23.6950, 33.1168



68.6767, 66.8334, 78.3835



24.5738, 20.4952, 45.3089



15.0183, 14.4696, 17.1249



86.6293, 91.1408, 99.2523



17.0014, 17.8868, 19.4787

Same Dimension

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



30.2460, 23.6950, 33.1168



50.7658, 36.9137, 54.2175



27.9292, 22.7683, 20.9169



8.7054, 8.5889, 9.9470



15.1005, 7.5577, 10.9549



0.5028, 0.2489, 0.4906

Inverse Universe

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



30.2460, 23.6950, 33.1168



50.7658, 36.9137, 54.2175



30.3103, 38.7032, 44.5516



8.7054, 8.5889, 9.9470



15.1005, 7.5577, 10.9549



0.5028, 0.2489, 0.4906

Previews

White Background



This preview shows how the XYZ color 30.2453, 23.6939, 33.1163 looks on a white background.

Color Contrast Check

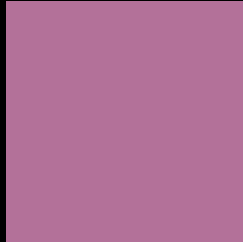
Large Text (above 18pt) WCAG AA ✓ Pass

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 30.2453, 23.6939, 33.1163 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

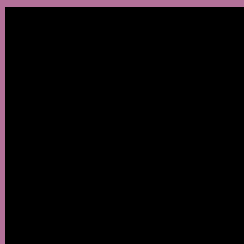
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 30.2453, 23.6939, 33.1163

Background



This preview shows how black text looks on a background with the XYZ color 30.2453, 23.6939, 33.1163.



This preview shows how white text looks on a background with the XYZ color 30.2453, 23.6939,

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

30.2453, 23.6939, 33.1163

Protanopia

23.8746, 23.9639, 39.4435

Deuteranopia

24.3029, 23.7427, 32.1561



Tritanopia

28.2137, 23.7193, 23.1699

Trichromacy



Original Color

30.2453, 23.6939, 33.1163

Protanomaly

25.5709, 23.5147, 36.9093

Deuteranomaly

26.1200, 23.5197, 32.4412

Tritanomaly

28.8208, 23.6155, 26.3318

Monochromacy



Original Color

30.2453, 23.6939, 33.1163

Achromatopsia

23.7775, 25.0158, 27.2422

Achromatomaly

25.6260, 24.0969, 29.2871

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.2453, 23.6939, 33.1163 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(179, 113, 153)` looks like.

```
.text, #text, p{  
    color:rgb(179, 113, 153)  
}
```

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(179, 113, 153) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(179, 113, 153) }
```

Border

The CSS property to change the border of an element to XYZ 30.2453, 23.6939, 33.1163 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(179, 113, 153) }
```


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

```
.border{ border-color:rgb(179, 113, 153) }
```

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

Here you see how a box with a 4 pixel `rgb(179, 113, 153)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(179, 113, 153); -webkit-box-  
shadow:4px 4px 4px 4px rgb(179, 113, 153);  
box-shadow:4px 4px 4px 4px rgb(179, 113,  
153) }
```

Background

The CSS property to change the background color of an element to XYZ 30.2453, 23.6939, 33.1163 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(179, 113, 153) }
```

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

```
.background{ background-color: rgb(179,  
113, 153) }
```

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