

Converting Colors

XYZ(23.3801, 18.6127, 35.8148)

Have a look what the booklet for
XYZ(23.3801, 18.6127, 35.8148)
contains.

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Color

**XYZ(23.3281, 18.6417,
35.6264)**

Conversions

Conversions Part 1

Format	Color
Hex	9368A0
RGB	147, 104, 160
RGB Percent	58%, 41%, 63%
CMY	0.4235, 0.5921, 0.3725
CMYK	0.08, 0.35, 0.00, 0.37
HSL	286°, 23%, 52%
HSV	286°, 35%, 63%
XYZ	23.3281, 18.6417, 35.6264
YIQ	123.2410, 7.6520, 26.5320

Conversions

Conversions Part 2

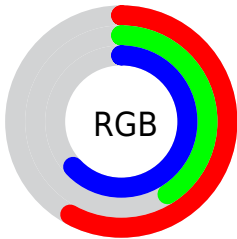
Format	Color
R_{YB}	147, 104, 160
Decimal	9660576
CIE _{Lab}	50.27, 27.43, -23.57
CIE _{LCh}	50, 36.160, 319.329
Yxy	18.6417, 0.3006, 0.2402
Android (android.graphics.Color)	4287850656 (0xFF9368A0)
YUV	123.2410, 18.1222, 20.8366
Hunter-Lab	43.1760, 20.8859, -18.6995

Details

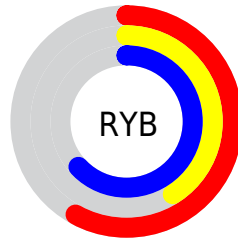
The XYZ color **23.3281, 18.6417, 35.6264** is a dark color, and the websafe version is hex **996699**. A complement of this color would be **22.4062, 29.9234, 17.6924**, and the grayscale version is **18.8470, 19.8285, 21.5933**.

A 20% lighter version of the original color is **48.5113, 41.2398, 69.6932**, and **8.8403, 6.3440, 14.9459** is the 20% darker color. If you saturate the color by 10%, you get **21.2127, 15.3833, 35.1092**, and if you desaturate by 10%, it is **25.7718, 22.5239, 36.2472**.

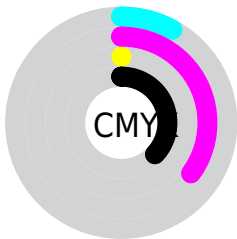
Distribution



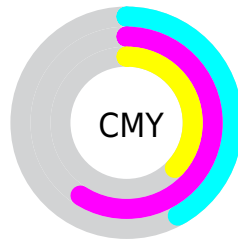
- Red (58%)
- Green (41%)
- Blue (63%)



- Red (58%)
- Yellow (41%)
- Blue (63%)



- Cyan (8%)
- Magenta (35%)
- Yellow (0%)
- Black (37%)



- Cyan (42%)
- Magenta (59%)
- Yellow (37%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.3281, 18.6417, 35.6264 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 23.3281, 18.6417, 35.6264 by changing the saturation by 10% instead.

■ 23.3281, 18.6417,
35.6264

■ 23.3281, 18.6417,
35.6264

261.9097,
244.4635, 342.3125

■ 14.9580, 11.4117,
23.8584

■ 48.3942, 41.1278,
69.6176

■ 8.8760, 6.3444,
15.0174

■ 65.8209, 57.1526,
92.6778

■ 4.7169, 3.0556,
8.6848

■ 86.9972, 76.8778,
120.3392

■ 2.1152, 1.1608,
4.4422

■ 112.2884,
100.6878, 153.0203

■ 0.6974, 0.0294,
1.8709

142.0599,
128.9670, 191.1397

■ 0.0000, 0.0000,
0.4741

176.6771,

■ 0.0000, 0.0000,

162.0997, 235.1158

0.0000

216.5052,
200.4705, 285.3672

■ 23.3281, 18.6417,
35.6264

■ 23.3281, 18.6417,
35.6264

■ 21.2127, 15.3833,
35.1092

■ 25.7718, 22.5239,
36.2472

■ 19.4062, 12.7116,
34.6888

■ 28.5582, 27.0596,
36.9758

■ 17.8899, 10.5891,
34.3590

■ 31.7029, 32.2793,
37.8176

■ 16.6424, 8.9731,
34.1128

■ 35.2200, 38.2111,
38.7772

■ 15.6389, 7.8141,
33.9420

■ 39.1228, 44.8813,
39.8590

■ 14.8481, 7.0504,
33.8363

■ 43.4241, 52.3150,
41.0671

■ 14.4934, 6.7386,
33.7948

■ 48.1358, 60.5359,
42.4056

■ 53.2695, 69.5670,
43.8782

■ 58.8363, 79.4300,
45.4885

Harmonies

Analogous

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



20.0404, 18.6417, 44.4556



23.3281, 18.6417, 35.6264



25.1881, 18.6417, 24.0794

Triad

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



23.3281, 18.6417, 35.6264



18.9939, 18.6417, 6.6384



12.0967, 18.6417, 27.3682

Complementary

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



23.3281, 18.6417, 35.6264



22.4062, 29.9234, 17.6924

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.



11.8940, 18.6417, 16.9341



23.3281, 18.6417, 35.6264



15.5830, 18.6417, 7.0023

Square

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



23.3281, 18.6417, 35.6264



22.4757, 18.6417, 8.9084



13.0888, 18.6417, 10.1502



13.6847, 18.6417, 38.7047

Rectangle

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



23.3281, 18.6417, 35.6264



25.2228, 18.6417, 17.3310



13.0888, 18.6417, 10.1502



11.8731, 18.6417, 23.5848

Sweetspot

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



23.3287, 18.6425, 35.6268



54.5142, 53.5282, 67.8453



18.4238, 18.2200, 35.8038



11.7927, 11.4693, 14.8359



76.7382, 80.7346, 87.9200



13.3056, 13.9985, 15.2444

Same Dimension

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



23.3287, 18.6425, 35.6268



39.3074, 29.1330, 63.9380



24.5640, 19.4213, 29.2696



6.7535, 6.6769, 8.3395



11.3298, 5.2697, 26.3272



0.2365, 0.1117, 0.4723

Inverse Universe

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



22.6590, 18.6593, 19.2376



38.0514, 29.2553, 29.1007



21.6061, 29.4154, 21.9715



6.6930, 6.6701, 7.2346



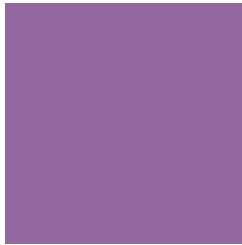
11.5697, 5.9324, 1.9851



0.2214, 0.1119, 0.1119

Previews

White Background



This preview shows how the XYZ color 23.3281, 18.6417, 35.6264 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 23.3281, 18.6417, 35.6264 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 23.3281, 18.6417, 35.6264

Background



This preview shows how black text looks on a background with the XYZ color 23.3281, 18.6417, 35.6264.



This preview shows how white text looks on a background with the XYZ color 23.3281, 18.6417,

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

23.3281, 18.6417, 35.6264

Protanopia

19.4226, 18.7807, 41.1294

Deuteranopia

19.1198, 18.7707, 34.5137



Tritanopia

20.2299, 18.6315, 20.6192

Trichromacy



Original Color

23.3281, 18.6417, 35.6264

Protanomaly

20.4879, 18.5222, 39.0545

Deuteranomaly

20.3889, 18.5640, 34.8563

Tritanomaly

21.1695, 18.5262, 25.3818

Monochromacy



Original Color

23.3281, 18.6417, 35.6264

Achromatopsia

18.8265, 19.8069, 21.5697

Achromatomaly

20.2050, 19.1739, 25.9286

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.3281, 18.6417, 35.6264 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(147, 104, 160)` looks like.

```
.text, #text, p{  
    color:rgb(147, 104, 160)  
}
```

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(147, 104, 160) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(147, 104, 160) }
```

Border

The CSS property to change the border of an element to XYZ 23.3281, 18.6417, 35.6264 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(147, 104, 160) }
```


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

```
.border{ border-color:rgb(147, 104, 160) }
```

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

Here you see how a box with a 4 pixel `rgb(147, 104, 160)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(147, 104, 160); -webkit-box-  
shadow:4px 4px 4px 4px rgb(147, 104, 160);  
box-shadow:4px 4px 4px 4px rgb(147, 104,  
160) }
```

Background

The CSS property to change the background color of an element to XYZ 23.3281, 18.6417, 35.6264 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(147, 104, 160) }
```

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

```
.background{ background-color: rgb(147,  
104, 160) }
```

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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