

Converting Colors

XYZ(23.6760, 20.2087, 46.1983)

Have a look what the booklet for
XYZ(23.6760, 20.2087, 46.1983)
contains.

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Color

**XYZ(23.7179, 20.1961,
46.3642)**

Conversions

Conversions Part 1

Format	Color
Hex	8372B5
RGB	131, 114, 181
RGB Percent	51%, 45%, 71%
CMY	0.4863, 0.5529, 0.2902
CMYK	0.28, 0.37, 0.00, 0.29
HSL	255°, 31%, 58%
HSV	255°, 37%, 71%
XYZ	23.7179, 20.1961, 46.3642
YIQ	126.7210, -11.3750, 24.4410

Conversions

Conversions Part 2

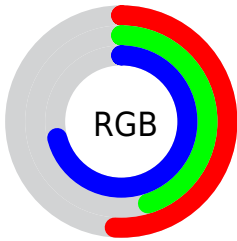
Format	Color
R_{YB}	131, 114, 181
Decimal	8614581
CIE _{Lab}	52.06, 21.43, -33.12
CIE _{LCh}	52, 39.453, 302.904
Yxy	20.1961, 0.2627, 0.2237
Android (android.graphics.Color)	4286804661 (0xFF8372B5)
YUV	126.7210, 26.7595, 3.7527
Hunter-Lab	44.9401, 15.5613, -29.7108

Details

The XYZ color **23.7179, 20.1961, 46.3642** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **34.8713, 42.1555, 22.2192**, and the grayscale version is **19.9918, 21.0330, 22.9049**.

A 20% lighter version of the original color is **48.9299, 43.7011, 85.9770**, and **9.0689, 7.1172, 21.3178** is the 20% darker color. If you saturate the color by 10%, you get **19.9174, 15.5005, 45.6585**, and if you desaturate by 10%, it is **28.1966, 25.8419, 47.2182**.

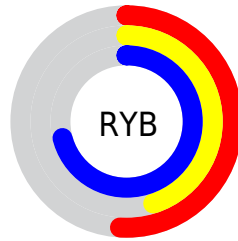
Distribution



Red (51%)

Green (45%)

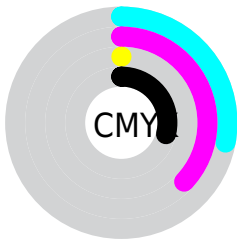
Blue (71%)



Red (51%)

Yellow (45%)

Blue (71%)

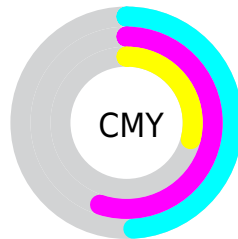


Cyan (28%)

Magenta (37%)

Yellow (0%)

Black (29%)



Cyan (49%)

Magenta (55%)

Yellow (29%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.7179, 20.1961, 46.3642 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 23.7179, 20.1961, 46.3642 by changing the saturation by 10% instead.

■ 23.7179, 20.1961,
46.3642

■ 23.7179, 20.1961,
46.3642

263.8582,
252.9747, 388.5910

■ 15.2481, 12.5377,
32.1826

■ 49.0275, 43.7457,
86.1038

■ 9.0811, 7.1110,
21.2350

■ 66.5980, 60.4057,
112.4989

■ 4.8517, 3.5316,
13.1030

■ 87.9328, 80.8350,
143.8022

■ 2.1944, 1.4152,
7.3679

■ 113.3972,
105.4179, 180.4322

■ 0.7398, 0.2279,
3.6113

143.3566,
134.5390, 222.8076

■ 0.0000, 0.0000,
1.4146

178.1763,

■ 0.0000, 0.0000,

168.5826, 271.3468

0.1531

218.2217,
207.9330, 326.4684

■ 0.0000, 0.0000,
0.0000

■ 23.7179, 20.1961,
46.3642

■ 23.7179, 20.1961,
46.3642

■ 19.9174, 15.5005,
45.6585

■ 28.1966, 25.8419,
47.2182

■ 16.7584, 11.6993,
45.0913

■ 33.3832, 32.4844,
48.2270

■ 14.2042, 8.7347,
44.6537

■ 39.3082, 40.1703,
49.3983

■ 12.2129, 6.5407,
44.3352

■ 45.9997, 48.9422,
50.7387

■ 10.7368, 5.0413,
44.1236

■ 53.4842, 58.8405,
52.2548

■ 9.7126, 4.1306,
44.0018

■ 61.7870, 69.9035,
53.9526

■ 9.4640, 3.9154,
43.9733

■ 70.9322, 82.1677,
55.8378

■ 79.7178, 93.2176,
57.5076

■ 84.4516, 95.6580,
57.7291

Harmonies

Analogous

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



19.5908, 20.1961, 52.4134



23.7179, 20.1961, 46.3642



26.9490, 20.1961, 33.7193

Triad

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



23.7179, 20.1961, 46.3642



22.9440, 20.1961, 7.5646



12.4533, 20.1961, 23.1331

Complementary

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



23.7179, 20.1961, 46.3642



34.8713, 42.1555, 22.2192

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.



13.0935, 20.1961, 13.3554



23.7179, 20.1961, 46.3642



18.8061, 20.1961, 6.4438

Square

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



23.7179, 20.1961, 46.3642



26.4601, 20.1961, 12.0076



15.2884, 20.1961, 8.1298



13.3999, 20.1961, 36.3741

Rectangle

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



23.7179, 20.1961, 46.3642



27.9527, 20.1961, 24.8456



15.2884, 20.1961, 8.1298



12.4903, 20.1961, 19.3623

Sweetspot

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



23.7186, 20.1969, 46.3647



65.8125, 65.9739, 87.5601



28.6007, 33.5547, 48.6857



13.9193, 13.8635, 18.8645



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.



23.7186, 20.1969, 46.3647



37.1203, 29.5342, 82.0388



29.7198, 23.2906, 46.6455



8.2374, 8.3309, 10.6802



6.5798, 2.7278, 30.3167



0.2619, 0.1141, 0.9565

Inverse Universe

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



31.7746, 24.5393, 38.1840



53.7313, 38.5021, 64.5375



28.8831, 39.0685, 21.9390



8.7561, 8.6091, 10.2139



16.1842, 7.9913, 16.6620



0.5311, 0.2602, 0.6396

Previews

White Background



This preview shows how the XYZ color 23.7179, 20.1961, 46.3642 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 23.7179, 20.1961, 46.3642 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

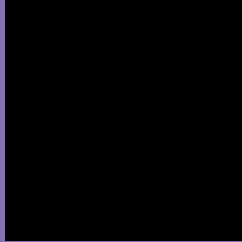
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 23.7179, 20.1961, 46.3642

Background



This preview shows how black text looks on a background with the XYZ color 23.7179, 20.1961, 46.3642.



This preview shows how white text looks on a background with the XYZ color 23.7179, 20.1961,

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

23.7179, 20.1961, 46.3642

Protanopia

21.4035, 20.3166, 50.3704

Deuteranopia

20.6991, 20.2454, 45.4646



Tritanopia

19.5368, 20.2741, 25.4379

Trichromacy



Original Color

23.7179, 20.1961, 46.3642

Protanomaly

22.0359, 20.1412, 48.6252

Deuteranomaly

21.7647, 20.2389, 45.9394

Tritanomaly

20.7598, 20.0273, 32.0496

Monochromacy



Original Color

23.7179, 20.1961, 46.3642

Achromatopsia

20.1725, 21.2231, 23.1119

Achromatomaly

21.1281, 20.6148, 30.4693

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.7179, 20.1961, 46.3642 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(131, 114, 181)` looks like.

```
.text, #text, p{  
    color:rgb(131, 114, 181)  
}
```

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(131, 114, 181) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(131, 114, 181) }
```

Border

The CSS property to change the border of an element to XYZ 23.7179, 20.1961, 46.3642 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(131, 114, 181) }
```


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

```
.border{ border-color:rgb(131, 114, 181) }
```

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

Here you see how a box with a 4 pixel `rgb(131, 114, 181)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(131, 114, 181); -webkit-box-shadow:4px 4px 4px 4px rgb(131, 114, 181); box-shadow:4px 4px 4px 4px rgb(131, 114, 181) }
```

Background

The CSS property to change the background color of an element to XYZ 23.7179, 20.1961, 46.3642 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(131, 114, 181) }
```

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

```
.background{ background-color: rgb(131,  
114, 181) }
```

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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