

Converting Colors

XYZ(23.6647, 21.3752, 48.6705)

Have a look what the booklet for
XYZ(23.6647, 21.3752, 48.6705)
contains.

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Color

**XYZ(23.6204, 21.3151,
48.7682)**

Conversions

Conversions Part 1

Format	Color
Hex	7A79B9
RGB	122, 121, 185
RGB Percent	48%, 47%, 73%
CMY	0.5216, 0.5255, 0.2745
CMYK	0.34, 0.35, 0.00, 0.27
HSL	241°, 31%, 60%
HSV	241°, 35%, 73%
XYZ	23.6204, 21.3151, 48.7682
YIQ	128.5950, -19.9480, 20.1160

Conversions

Conversions Part 2

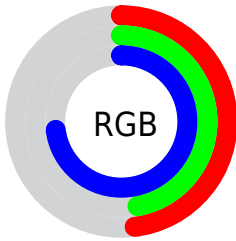
Format	Color
R_{YB}	122, 121, 185
Decimal	8026553
CIE _{Lab}	53.29, 15.68, -33.55
CIE _{LCh}	53, 37.035, 295.047
Yxy	21.3151, 0.2521, 0.2275
Android (android.graphics.Color)	4286216633 (0xFF7A79B9)
YUV	128.5950, 27.8077, -5.7838
Hunter-Lab	46.1683, 10.5289, -30.3111

Details

The XYZ color **23.6204, 21.3151, 48.7682** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **40.5675, 46.2690, 24.8826**, and the grayscale version is **20.6364, 21.7111, 23.6434**.

A 20% lighter version of the original color is **48.7253, 45.4681, 89.4272**, and **9.0732, 7.7331, 22.8442** is the 20% darker color. If you saturate the color by 10%, you get **19.2428, 16.0352, 47.9802**, and if you desaturate by 10%, it is **28.9138, 27.7079, 49.7235**.

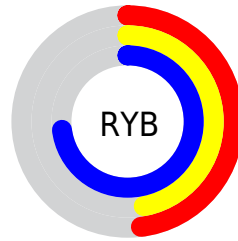
Distribution



Red (48%)

Green (47%)

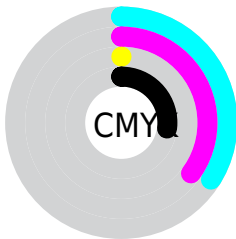
Blue (73%)



Red (48%)

Yellow (47%)

Blue (73%)

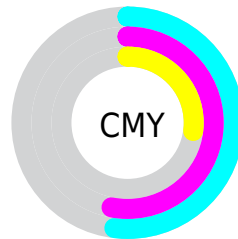


Cyan (34%)

Magenta (35%)

Yellow (0%)

Black (27%)



Cyan (52%)

Magenta (53%)

Yellow (27%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.6204, 21.3151, 48.7682 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 23.6204, 21.3151, 48.7682 by changing the saturation by 10% instead.

■ 23.6204, 21.3151,
48.7682

■ 23.6204, 21.3151,
48.7682

263.3719,
258.9484, 398.4253

■ 15.1755, 13.3545,
34.0713

■ 48.8692, 45.6114,
89.7245

■ 9.0298, 7.6731,
22.6706

■ 66.4039, 62.7158,
116.8210

■ 4.8179, 3.8865,
14.1475

■ 87.6991, 83.6371,
148.8878

■ 2.1744, 1.6103,
8.0834

113.1203,
108.7594, 186.3435

■ 0.7292, 0.3645,
4.0598

143.0328,
138.4674, 229.6065

■ 0.0000, 0.0000,
1.6582

177.8020,

■ 0.0000, 0.0000,

173.1452, 279.0955

0.3319

217.7933,
213.1774, 335.2289

■ 0.0000, 0.0000,
0.0000

■ 23.6204, 21.3151,
48.7682

■ 23.6204, 21.3151,
48.7682

■ 19.2428, 16.0352,
47.9802

■ 28.9138, 27.7079,
49.7235

■ 15.7269, 11.8024,
47.3485

■ 35.1685, 35.2696,
50.8534

■ 13.0165, 8.5478,
46.8631

■ 42.4296, 44.0552,
52.1665

■ 11.0480, 6.1930,
46.5124

■ 50.7386, 54.1158,
53.6705

■ 9.7478, 4.6478,
46.2826

■ 60.1349, 65.4992,
55.3724

■ 9.0277, 3.8035,
46.1576

■ 70.6558, 78.2510,
57.2793

■ 8.7932, 3.5215,
46.1155

■ 82.3367, 92.4146,
59.3975

■ 85.7570, 96.2828,
59.9639

Harmonies

Analogous

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



19.6156, 21.3151, 52.0362



23.6204, 21.3151, 48.7682



27.0854, 21.3151, 37.9000

Triad

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



23.6204, 21.3151, 48.7682



24.8910, 21.3151, 9.6322



13.6405, 21.3151, 21.3944

Complementary

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



23.6204, 21.3151, 48.7682



40.5675, 46.2690, 24.8826

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.



14.6889, 21.3151, 12.9092



23.6204, 21.3151, 48.7682



20.9170, 21.3151, 7.6628

Square

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



23.6204, 21.3151, 48.7682



27.8828, 21.3151, 15.2176



17.2333, 21.3151, 8.6321



14.1700, 21.3151, 33.5979

Rectangle

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



23.6204, 21.3151, 48.7682



28.4477, 21.3151, 29.2350



17.2333, 21.3151, 8.6321



13.8156, 21.3151, 18.0729

Sweetspot

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



23.6212, 21.3159, 48.7687



68.5203, 69.8619, 92.0779



33.9916, 42.2661, 52.2659



14.3879, 14.5966, 19.7807



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.



23.6212, 21.3159, 48.7687



35.8367, 30.3740, 86.1786



28.7318, 23.9506, 49.0079



8.5337, 8.7260, 11.3139



5.9932, 2.4008, 31.4006



0.2157, 0.0869, 1.1072

Inverse Universe

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



35.4971, 27.4503, 48.7748



60.5209, 43.1260, 86.1200



33.9376, 42.8512, 24.5723



9.3747, 9.1603, 11.3207



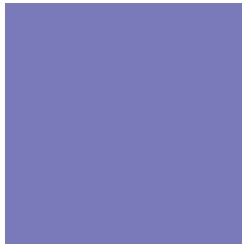
19.3828, 9.3269, 30.9665



0.6852, 0.3296, 1.1019

Previews

White Background



This preview shows how the XYZ color 23.6204, 21.3151, 48.7682 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 23.6204, 21.3151, 48.7682 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

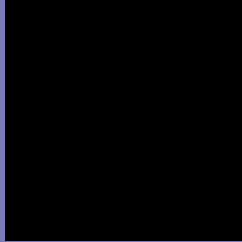
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 23.6204, 21.3151, 48.7682

Background



This preview shows how black text looks on a background with the XYZ color 23.6204, 21.3151, 48.7682.



This preview shows how white text looks on a background with the XYZ color 23.6204, 21.3151,

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

23.6204, 21.3151, 48.7682

Protanopia

22.3546, 21.3622, 50.5221

Deuteranopia

21.9383, 21.3857, 48.3190



Tritanopia

19.3983, 21.3035, 27.9005

Trichromacy



Original Color

23.6204, 21.3151, 48.7682

Protanomaly

22.8594, 21.4479, 49.9487

Deuteranomaly

22.4149, 21.2555, 48.2687

Tritanomaly

20.7926, 21.2920, 34.4664

Monochromacy



Original Color

23.6204, 21.3151, 48.7682

Achromatopsia

20.8660, 21.9526, 23.9064

Achromatomaly

21.4899, 21.5273, 31.4563

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.6204, 21.3151, 48.7682 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(122, 121, 185)` looks like.

```
.text, #text, p{  
    color:rgb(122, 121, 185)  
}
```

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(122, 121, 185) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(122, 121, 185) }
```

Border

The CSS property to change the border of an element to XYZ 23.6204, 21.3151, 48.7682 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(122, 121, 185) }
```


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

```
.border{ border-color:rgb(122, 121, 185) }
```

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

Here you see how a box with a 4 pixel `rgb(122, 121, 185)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(122, 121, 185); -webkit-box-shadow:4px 4px 4px 4px rgb(122, 121, 185); box-shadow:4px 4px 4px 4px rgb(122, 121, 185) }
```

Background

The CSS property to change the background color of an element to XYZ 23.6204, 21.3151, 48.7682 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(122, 121, 185) }
```

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

```
.background{ background-color: rgb(122,  
121, 185) }
```

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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