

Converting Colors

XYZ(23.8693, 21.1897, 52.1240)

Have a look what the booklet for
XYZ(23.8693, 21.1897, 52.1240)
contains.

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Color

**XYZ(23.8662, 21.1876,
52.1219)**

Conversions

Conversions Part 1

Format	Color
Hex	7878BF
RGB	120, 120, 191
RGB Percent	47%, 47%, 75%
CMY	0.5294, 0.5294, 0.2510
CMYK	0.37, 0.37, 0.00, 0.25
HSL	240°, 36%, 61%
HSV	240°, 37%, 75%
XYZ	23.8662, 21.1876, 52.1219
YIQ	128.0940, -22.7910, 22.0810

Conversions

Conversions Part 2

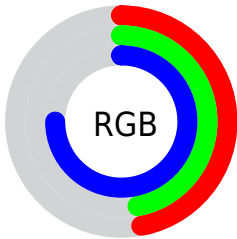
Format	Color
R_{YB}	120, 120, 191
Decimal	7895231
CIE _{Lab}	53.15, 17.36, -37.22
CIE _{LCh}	53, 41.072, 295.008
Yxy	21.1876, 0.2456, 0.2180
Android (android.graphics.Color)	4286085311 (0xFF7878BF)
YUV	128.0940, 31.0127, -7.0984
Hunter-Lab	46.0300, 11.9984, -34.9158

Details

The XYZ color **23.8662, 21.1876, 52.1219** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **43.5069, 49.6943, 25.0689**, and the grayscale version is **20.4525, 21.5177, 23.4327**.

A 20% lighter version of the original color is **49.3750, 45.3963, 94.9670**, and **9.1475, 7.6342, 24.6583** is the 20% darker color. If you saturate the color by 10%, you get **19.4043, 15.8111, 51.3197**, and if you desaturate by 10%, it is **29.3162, 27.7543, 53.1026**.

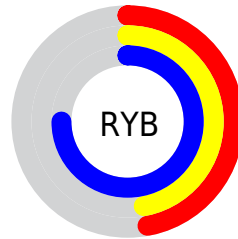
Distribution



Red (47%)

Green (47%)

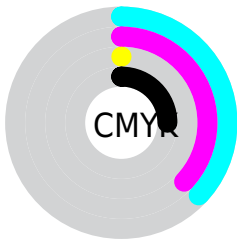
Blue (75%)



Red (47%)

Yellow (47%)

Blue (75%)

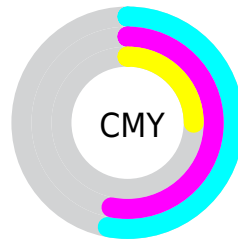


Cyan (37%)

Magenta (37%)

Yellow (0%)

Black (25%)



Cyan (53%)

Magenta (53%)

Yellow (25%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.8662, 21.1876, 52.1219 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 23.8662, 21.1876, 52.1219 by changing the saturation by 10% instead.

■ 23.8662, 21.1876,
52.1219

■ 23.8662, 21.1876,
52.1219

264.5964,
258.2738, 411.8774

■ 15.3586, 13.2612,
36.7193

■ 49.2680, 45.3995,
94.7394

■ 9.1594, 7.6087,
24.6962

■ 66.8930, 62.4539,
122.7914

■ 4.9032, 3.8456,
15.6339

■ 88.2877, 83.3196,
155.8970

■ 2.2248, 1.5876,
9.1139

113.8177,
108.3812, 194.4747

■ 0.7557, 0.3492,
4.7177

143.8482,
138.0231, 238.9430

■ 0.0000, 0.0000,
2.0268

178.7445,

■ 0.0000, 0.0000,

172.6295, 289.7206

0.5717

218.8722,
212.5850, 347.2258

■ 0.0000, 0.0000,
0.0000

■ 23.8662, 21.1876,
52.1219

■ 23.8662, 21.1876,
52.1219

■ 19.4043, 15.8111,
51.3197

■ 29.3162, 27.7543,
53.1026

■ 15.8691, 11.5515,
50.6838

■ 35.8059, 35.5741,
54.2699

■ 13.1961, 8.3308,
50.2030

■ 43.3864, 44.7081,
55.6334

■ 11.3118, 6.0602,
49.8641

■ 52.1046, 55.2130,
57.2015

■ 10.1299, 4.6362,
49.6515

■ 62.0046, 67.1420,
58.9823

■ 9.5303, 3.9138,
49.5437

■ 73.1283, 80.5454,
60.9831

■ 9.4041, 3.7616,
49.5210

■ 85.5154, 95.4711,
63.2112

■ 86.4040, 96.5416,
63.3710

Harmonies

Analogous

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



19.4224, 21.1876, 55.9023



23.8662, 21.1876, 52.1219



27.7566, 21.1876, 39.6201

Triad

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



23.8662, 21.1876, 52.1219



25.2991, 21.1876, 8.5320



12.9316, 21.1876, 21.0566

Complementary

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



23.8662, 21.1876, 52.1219



43.5069, 49.6943, 25.0689

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.



14.0594, 21.1876, 11.9208



23.8662, 21.1876, 52.1219



20.8713, 21.1876, 6.5375

Square

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



23.8662, 21.1876, 52.1219



28.6635, 21.1876, 14.3877



16.8201, 21.1876, 7.5071



13.4970, 21.1876, 34.6869

Rectangle

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



23.8662, 21.1876, 52.1219



29.2970, 21.1876, 29.8029



16.8201, 21.1876, 7.5071



13.1199, 21.1876, 17.4356

Sweetspot

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



23.8670, 21.1884, 52.1224



72.0311, 73.2356, 98.6186



35.7810, 45.0167, 56.0938



15.4065, 15.5868, 21.5818



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.



23.8670, 21.1884, 52.1224



35.8133, 29.5953, 92.1040



29.7348, 24.2133, 52.3970



9.0166, 9.2254, 11.9777



6.1802, 2.4721, 32.5443



0.2421, 0.0968, 1.2748

Inverse Universe

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



37.6066, 28.2715, 52.7646



64.1337, 44.1950, 93.4277



35.6352, 45.6363, 24.7005



9.9300, 9.6963, 12.0204



20.3001, 9.7512, 33.2038



0.7952, 0.3820, 1.3006

Previews

White Background



This preview shows how the XYZ color 23.8662, 21.1876, 52.1219 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 23.8662, 21.1876, 52.1219 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

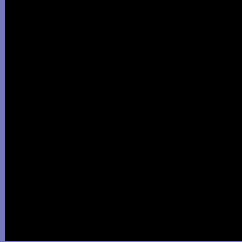
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 23.8662, 21.1876, 52.1219

Background



This preview shows how black text looks on a background with the XYZ color 23.8662, 21.1876, 52.1219.



This preview shows how white text looks on a background with the XYZ color 23.8662, 21.1876,

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

23.8662, 21.1876, 52.1219

Protanopia

22.5375, 21.1802, 54.5301

Deuteranopia

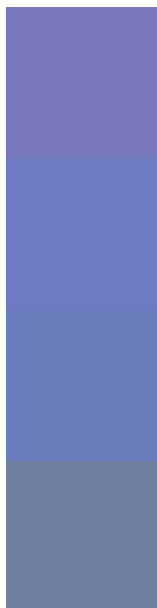
21.7921, 21.2361, 51.6656



Tritanopia

18.9747, 21.0765, 28.2674

Trichromacy



Original Color

23.8662, 21.1876, 52.1219

Protanomaly

23.1272, 21.3122, 53.9337

Deuteranomaly

22.4458, 21.1972, 51.6236

Tritanomaly

20.4010, 20.8697, 35.7539

Monochromacy



Original Color

23.8662, 21.1876, 52.1219

Achromatopsia

20.5175, 21.5861, 23.5072

Achromatomaly

21.3770, 21.2616, 32.2554

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.8662, 21.1876, 52.1219 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(120, 120, 191)` looks like.

```
.text, #text, p{  
    color:rgb(120, 120, 191)  
}
```

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(120, 120, 191) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(120, 120, 191) }
```

Border

The CSS property to change the border of an element to XYZ 23.8662, 21.1876, 52.1219 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(120, 120, 191) }
```


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

```
.border{ border-color:rgb(120, 120, 191) }
```

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

Here you see how a box with a 4 pixel `rgb(120, 120, 191)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(120, 120, 191); -webkit-box-  
shadow:4px 4px 4px 4px rgb(120, 120, 191);  
box-shadow:4px 4px 4px 4px rgb(120, 120,  
191) }
```

Background

The CSS property to change the background color of an element to XYZ 23.8662, 21.1876, 52.1219 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(120, 120, 191) }
```

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

```
.background{ background-color: rgb(120,  
120, 191) }
```

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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