

Converting Colors

XYZ(23.8905, 20.5962, 47.9305)

Have a look what the booklet for
XYZ(23.8905, 20.5962, 47.9305)
contains.

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Color

**XYZ(23.9504, 20.6186,
48.0649)**

Conversions

Conversions Part 1

Format	Color
Hex	8174B8
RGB	129, 116, 184
RGB Percent	51%, 45%, 72%
CMY	0.4941, 0.5451, 0.2784
CMYK	0.30, 0.37, 0.00, 0.28
HSL	251°, 32%, 59%
HSV	251°, 37%, 72%
XYZ	23.9504, 20.6186, 48.0649
YIQ	127.6390, -14.0800, 23.9040

Conversions

Conversions Part 2

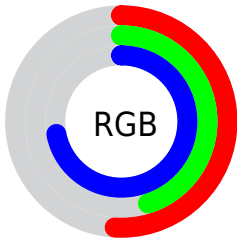
Format	Color
R_{YB}	129, 116, 184
Decimal	8484024
CIE _{Lab}	52.53, 20.43, -34.13
CIE _{LCh}	53, 39.774, 300.900
Yxy	20.6186, 0.2585, 0.2226
Android (android.graphics.Color)	4286674104 (0xFF8174B8)
YUV	127.6390, 27.7860, 1.1936
Hunter-Lab	45.4077, 14.6867, -30.9742

Details

The XYZ color **23.9504, 20.6186, 48.0649** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **37.0879, 44.2003, 23.1005**, and the grayscale version is **20.3040, 21.3614, 23.2626**.

A 20% lighter version of the original color is **49.2592, 44.3638, 88.4049**, and **9.2244, 7.3507, 22.4054** is the 20% darker color. If you saturate the color by 10%, you get **19.9375, 15.7073, 47.3288**, and if you desaturate by 10%, it is **28.7141, 26.5413, 48.9574**.

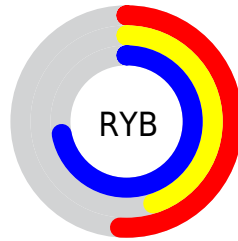
Distribution



Red (51%)

Green (45%)

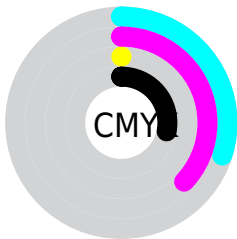
Blue (72%)



Red (51%)

Yellow (45%)

Blue (72%)

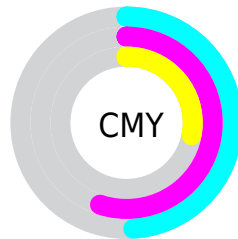


Cyan (30%)

Magenta (37%)

Yellow (0%)

Black (28%)



Cyan (49%)

Magenta (55%)

Yellow (28%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.9504, 20.6186, 48.0649 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 23.9504, 20.6186, 48.0649 by changing the saturation by 10% instead.

■ 23.9504, 20.6186,
48.0649

■ 23.9504, 20.6186,
48.0649

265.0148,
255.2446, 395.5654

■ 15.4214, 12.8455,
33.5179

■ 49.4045, 44.4519,
88.6676

■ 9.2039, 7.3222,
22.2491

■ 67.0603, 61.2809,
115.5604

■ 4.9326, 3.6644,
13.8400

■ 88.4891, 81.8973,
147.4055

■ 2.2421, 1.4877,
7.8720

■ 114.0561,
106.6856, 184.6216

■ 0.7648, 0.2800,
3.9266

144.1269,
136.0300, 227.6270

■ 0.0000, 0.0000,
1.5851

179.0667,

■ 0.0000, 0.0000,

170.3151, 276.8405

0.2802

219.2408,
209.9251, 332.6804

■ 0.0000, 0.0000,
0.0000

■ 23.9504, 20.6186,
48.0649

■ 23.9504, 20.6186,
48.0649

■ 19.9375, 15.7073,
47.3288

■ 28.7141, 26.5413,
48.9574

■ 16.6340, 11.7480,
46.7387

■ 34.2627, 33.5258,
50.0131

■ 13.9981, 8.6784,
46.2851

■ 40.6306, 41.6216,
51.2401

■ 11.9821, 6.4279,
45.9570

■ 47.8496, 50.8748,
52.6457

■ 10.5317, 4.9148,
45.7414

■ 55.9499, 61.3285,
54.2365

■ 9.5764, 4.0276,
45.6205

■ 64.9600, 73.0239,
56.0191

■ 9.3510, 3.8212,
45.5925

■ 74.9072, 86.0001,
57.9994

■ 83.1447, 94.9483,
59.2925

■ 85.6518, 96.2407,
59.4098

Harmonies

Analogous

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



19.7220, 20.6186, 53.6060



23.9504, 20.6186, 48.0649



27.3603, 20.6186, 35.3802

Triad

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



23.9504, 20.6186, 48.0649



23.7051, 20.6186, 7.8955



12.6997, 20.6186, 22.8081

Complementary

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



23.9504, 20.6186, 48.0649



37.0879, 44.2003, 23.1005

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.



13.4621, 20.6186, 13.1305



23.9504, 20.6186, 48.0649



19.4733, 20.6186, 6.5549

Square

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



23.9504, 20.6186, 48.0649



27.2053, 20.6186, 12.7038



15.8066, 20.6186, 8.0742



13.5591, 20.6186, 36.2220

Rectangle

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



23.9504, 20.6186, 48.0649



28.4996, 20.6186, 26.2303



15.8066, 20.6186, 8.0742



12.7738, 20.6186, 19.0518

Sweetspot

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



23.9511, 20.6194, 48.0654



68.5871, 68.9928, 91.9066



30.5186, 36.5020, 50.7849



14.4518, 14.4486, 19.7488



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.



23.9511, 20.6194, 48.0654



37.6427, 30.2968, 86.0685



29.8930, 23.6825, 48.3435



8.6771, 8.7999, 11.3207



6.4905, 2.6572, 31.4239



0.2773, 0.1187, 1.1100

Inverse Universe

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



33.3637, 25.6221, 41.7154



57.2475, 40.7300, 72.2329



30.6977, 40.9060, 22.8014



9.3053, 9.1325, 10.9552



17.3771, 8.5246, 20.4044



0.6318, 0.3082, 0.8205

Previews

White Background



This preview shows how the XYZ color 23.9504, 20.6186, 48.0649 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 23.9504, 20.6186, 48.0649 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

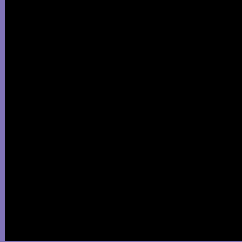
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 23.9504, 20.6186, 48.0649

Background



This preview shows how black text looks on a background with the XYZ color 23.9504, 20.6186, 48.0649.

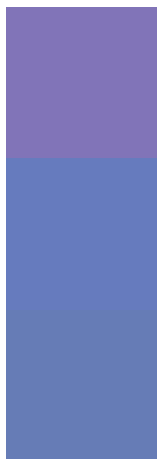


This preview shows how white text looks on a background with the XYZ color 23.9504, 20.6186,

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

23.9504, 20.6186, 48.0649

Protanopia

21.8567, 20.7084, 51.5603

Deuteranopia

21.1306, 20.6175, 47.1218



Tritanopia

19.5125, 20.6212, 26.2444

Trichromacy



Original Color

23.9504, 20.6186, 48.0649

Protanomaly

22.4757, 20.5085, 50.3509

Deuteranomaly

22.0667, 20.5384, 47.6010

Tritanomaly

20.8777, 20.4299, 32.9800

Monochromacy



Original Color

23.9504, 20.6186, 48.0649

Achromatopsia

20.5175, 21.5861, 23.5072

Achromatomaly

21.4550, 21.1426, 30.9671

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.9504, 20.6186, 48.0649 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(129, 116, 184)` looks like.

```
.text, #text, p{  
    color:rgb(129, 116, 184)  
}
```

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(129, 116, 184) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(129, 116, 184) }
```

Border

The CSS property to change the border of an element to XYZ 23.9504, 20.6186, 48.0649 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(129, 116, 184) }
```


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

```
.border{ border-color:rgb(129, 116, 184) }
```

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

Here you see how a box with a 4 pixel `rgb(129, 116, 184)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(129, 116, 184); -webkit-box-  
shadow:4px 4px 4px 4px rgb(129, 116, 184);  
box-shadow:4px 4px 4px 4px rgb(129, 116,  
184) }
```

Background

The CSS property to change the background color of an element to XYZ 23.9504, 20.6186, 48.0649 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(129, 116, 184) }
```

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

```
.background{ background-color: rgb(129,  
116, 184) }
```

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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