

Converting Colors

XYZ(23.8941, 21.6589, 47.1473)

Have a look what the booklet for
XYZ(23.8941, 21.6589, 47.1473)
contains.

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Color

**XYZ(23.8605, 21.6564,
47.1785)**

Conversions

Conversions Part 1

Format	Color
Hex	7D7AB6
RGB	125, 122, 182
RGB Percent	49%, 48%, 71%
CMY	0.5098, 0.5216, 0.2863
CMYK	0.31, 0.33, 0.00, 0.29
HSL	243°, 29%, 60%
HSV	243°, 33%, 71%
XYZ	23.8605, 21.6564, 47.1785
YIQ	129.7370, -17.4720, 19.2960

Conversions

Conversions Part 2

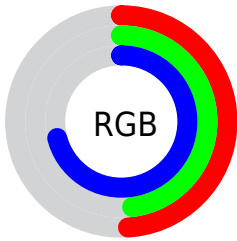
Format	Color
R _{YB}	125, 122, 182
Decimal	8223414
CIE _{Lab}	53.66, 15.16, -31.24
CIE _{LCh}	54, 34.719, 295.881
Yxy	21.6564, 0.2574, 0.2336
Android (android.graphics.Color)	4286413494 (0xFF7D7AB6)
YUV	129.7370, 25.7657, -4.1543
Hunter-Lab	46.5364, 10.0831, -27.5325

Details

The XYZ color **23.8605, 21.6564, 47.1785** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **38.8315, 44.4451, 24.9452**, and the grayscale version is **21.0423, 22.1381, 24.1084**.

A 20% lighter version of the original color is **49.1591, 46.0289, 87.1824**, and **9.1690, 7.8059, 21.7923** is the 20% darker color. If you saturate the color by 10%, you get **19.5235, 16.4085, 46.3945**, and if you desaturate by 10%, it is **29.0569, 27.9695, 48.1236**.

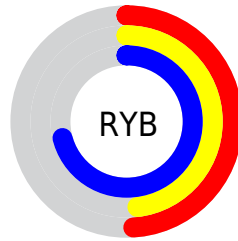
Distribution



Red (49%)

Green (48%)

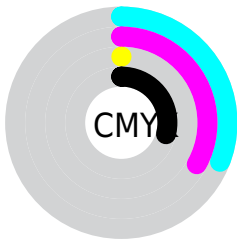
Blue (71%)



Red (49%)

Yellow (48%)

Blue (71%)

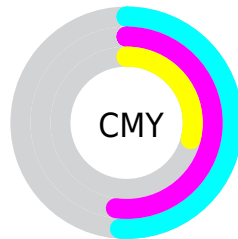


Cyan (31%)

Magenta (33%)

Yellow (0%)

Black (29%)



Cyan (51%)

Magenta (52%)

Yellow (29%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.8605, 21.6564, 47.1785 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 23.8605, 21.6564, 47.1785 by changing the saturation by 10% instead.

■ 23.8605, 21.6564,
47.1785

■ 23.8605, 21.6564,
47.1785

264.5680,
260.7466, 391.9409

■ 15.3543, 13.6046,
32.8214

■ 49.2588, 46.1774,
87.3328

■ 9.1564, 7.8462,
21.7197

■ 66.8816, 63.4155,
113.9671

■ 4.9013, 3.9967,
13.4547

■ 88.2741, 84.4845,
145.5308

■ 2.2236, 1.6717,
7.6080

113.8015,
109.7688, 182.4426

■ 0.7551, 0.4052,
3.7610

143.8293,
139.6527, 225.1210

■ 0.0000, 0.0000,
1.4952

178.7227,

■ 0.0000, 0.0000,

174.5207, 273.9845

0.2143

218.8472,
214.7572, 329.4516

■ 0.0000, 0.0000,
0.0000

■ 23.8605, 21.6564,
47.1785

■ 23.8605, 21.6564,
47.1785

■ 19.5235, 16.4085,
46.3945

■ 29.0569, 27.9695,
48.1236

■ 15.9974, 12.1646,
45.7612

■ 35.1531, 35.3993,
49.2363

■ 13.2325, 8.8614,
45.2694

■ 42.1897, 43.9970,
50.5250

■ 11.1725, 6.4272,
44.9081

■ 50.2043, 53.8100,
51.9967

■ 9.7535, 4.7802,
44.6650

■ 59.2322, 64.8830,
53.6582

■ 8.8999, 3.8226,
44.5251

■ 69.3070, 77.2584,
55.5158

■ 8.5575, 3.4362,
44.4686

■ 80.4610, 90.9766,
57.5759

■ 85.4436, 96.1574,
58.3132

Harmonies

Analogous

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



20.0751, 21.6564, 50.4229



23.8605, 21.6564, 47.1785



27.0790, 21.6564, 37.0109

Triad

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



23.8605, 21.6564, 47.1785



24.8543, 21.6564, 10.3790



14.2517, 21.6564, 22.1416

Complementary

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



23.8605, 21.6564, 47.1785



38.8315, 44.4451, 24.9452

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.



15.2203, 21.6564, 13.8691



23.8605, 21.6564, 47.1785



21.1009, 21.6564, 8.4993

Square

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



23.8605, 21.6564, 47.1785



27.6995, 21.6564, 15.7329



17.6216, 21.6564, 9.5520



14.8047, 21.6564, 33.6801

Rectangle

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



23.8605, 21.6564, 47.1785



28.3139, 21.6564, 28.9285



17.6216, 21.6564, 9.5520



14.4066, 21.6564, 18.9353

Sweetspot

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



23.8613, 21.6572, 47.1790



67.1250, 68.3206, 89.8850



32.5902, 39.7557, 50.2123



14.4466, 14.6268, 19.7835



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.



23.8613, 21.6572, 47.1790



37.0630, 31.7618, 84.4129



28.9212, 24.2657, 47.4158



8.5616, 8.7403, 11.3152



6.0601, 2.4353, 31.4037



0.2278, 0.0931, 1.1077

Inverse Universe

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



34.3881, 27.1195, 46.0700



59.3146, 43.3121, 81.8803



32.6358, 41.2511, 24.6552



9.3610, 9.1548, 11.2485



18.9505, 9.1540, 28.6899



0.6740, 0.3251, 1.0429

Previews

White Background



This preview shows how the XYZ color 23.8605, 21.6564, 47.1785 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 23.8605, 21.6564, 47.1785 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 23.8605, 21.6564, 47.1785

Background



This preview shows how black text looks on a background with the XYZ color 23.8605, 21.6564, 47.1785.



This preview shows how white text looks on a background with the XYZ color 23.8605, 21.6564,

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

23.8605, 21.6564, 47.1785

Protanopia

22.5245, 21.6757, 48.8956

Deuteranopia

22.2365, 21.7661, 46.7454



Tritanopia

19.9928, 21.6014, 28.3150

Trichromacy



Original Color

23.8605, 21.6564, 47.1785

Protanomaly

23.0556, 21.7728, 48.3348

Deuteranomaly

22.7443, 21.6483, 46.6958

Tritanomaly

21.1979, 21.5010, 34.4853

Monochromacy



Original Color

23.8605, 21.6564, 47.1785

Achromatopsia

21.2178, 22.3228, 24.3095

Achromatomaly

21.9163, 21.9379, 31.5131

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.8605, 21.6564, 47.1785 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(125, 122, 182)` looks like.

```
.text, #text, p{  
    color:rgb(125, 122, 182)  
}
```

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(125, 122, 182) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(125, 122, 182) }
```

Border

The CSS property to change the border of an element to XYZ 23.8605, 21.6564, 47.1785 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(125, 122, 182) }
```


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

```
.border{ border-color:rgb(125, 122, 182) }
```

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

Here you see how a box with a 4 pixel `rgb(125, 122, 182)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(125, 122, 182); -webkit-box-  
shadow:4px 4px 4px 4px rgb(125, 122, 182);  
box-shadow:4px 4px 4px 4px rgb(125, 122,  
182) }
```

Background

The CSS property to change the background color of an element to XYZ 23.8605, 21.6564, 47.1785 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(125, 122, 182) }
```

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

```
.background{ background-color: rgb(125,  
122, 182) }
```

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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