

Converting Colors

XYZ(24.0316, 18.7851, 80.5550)

Have a look what the booklet for
XYZ(24.0316, 18.7851, 80.5550)
contains.

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Color

**XYZ(23.9761, 18.7626,
80.1998)**

Conversions

Conversions Part 1

Format	Color
Hex	546DEA
RGB	84, 109, 234
RGB Percent	33%, 43%, 92%
CMY	0.6706, 0.5725, 0.0824
CMYK	0.64, 0.53, 0.00, 0.08
HSL	230°, 78%, 62%
HSV	230°, 64%, 92%
XYZ	23.9761, 18.7626, 80.1998
YIQ	115.7750, -55.0250, 33.5750

Conversions

Conversions Part 2

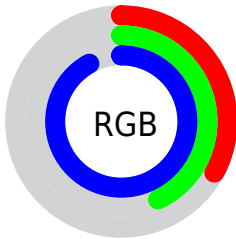
Format	Color
R_{YB}	84, 105, 234
Decimal	5533162
CIE _{Lab}	50.41, 29.68, -66.12
CIE _{LCh}	50, 72.480, 294.175
Yxy	18.7626, 0.1950, 0.1526
Android (android.graphics.Color)	4283723242 (0xFF546DEA)
YUV	115.7750, 58.2849, -27.8667
Hunter-Lab	43.3158, 23.0003, -79.4551

Details

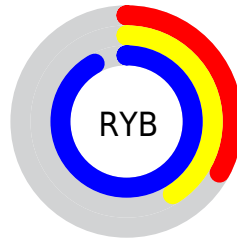
The XYZ color **23.9761, 18.7626, 80.1998** is a dark color, and the websafe version is hex **6666CC**. The color can be described as middle muted azure. A complement of this color would be **58.3351, 63.7381, 17.6174**, and the grayscale version is **16.3722, 17.2249, 18.7579**.

A 20% lighter version of the original color is **42.6534, 38.5647, 99.8034**, and **9.6584, 6.6196, 42.3636** is the 20% darker color. If you saturate the color by 10%, you get **20.3659, 14.1484, 79.4999**, and if you desaturate by 10%, it is **28.7488, 24.6613, 81.0873**.

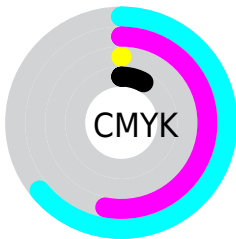
Distribution



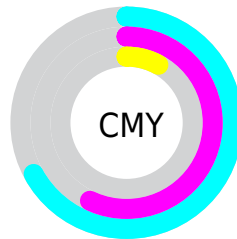
- Red (33%)
- Green (43%)
- Blue (92%)



- Red (33%)
- Yellow (41%)
- Blue (92%)



- Cyan (64%)
- Magenta (53%)
- Yellow (0%)
- Black (8%)



- Cyan (67%)
- Magenta (57%)
- Yellow (8%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.9761, 18.7626, 80.1998 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 23.9761, 18.7626, 80.1998 by changing the saturation by 10% instead.

■ 23.9761, 18.7626,
80.1998

■ 23.9761, 18.7626,
80.1998

265.1423,
245.1350, 515.3304

■ 15.4405, 11.4989,
59.3556

■ 49.4462, 41.3326,
135.4605

■ 9.2175, 6.4034,
42.4776

■ 67.1114, 57.4076,
170.7142

■ 4.9415, 3.0919,
29.1471

■ 88.5505, 77.1885,
211.6081

■ 2.2474, 1.1799,
18.9456

■ 114.1289,
101.0597, 258.5608

■ 0.7675, 0.0452,
11.4545

144.2119,
129.4055, 311.9909

■ 0.0000, 0.0000,
6.2554

179.1649,

■ 0.0000, 0.0000,

162.6104, 372.3168

2.9297

219.3533,
201.0588, 439.9571

■ 0.0000, 0.0000,
1.0589

■ 0.0000, 0.0000,
0.0000

■ 23.9761, 18.7626,
80.1998

■ 23.9761, 18.7626,
80.1998

■ 20.3659, 14.1484,
79.4999

■ 28.7488, 24.6613,
81.0873

■ 17.8119, 10.7178,
78.9723

■ 34.7722, 31.9313,
82.1730

■ 16.1915, 8.3563,
78.6019

■ 42.1288, 40.6535,
83.4689

■ 15.5765, 7.3909,
78.4480

■ 50.8933, 50.9021,
84.9851

■ 61.1346, 62.7460,
86.7314

■ 72.9172, 76.2500,
88.7170

■ 86.3016, 91.4750,
90.9503

■ 91.8514, 98.7206,
92.0563

Harmonies

Analogous

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



16.4933, 18.7626, 88.4351



23.9761, 18.7626, 80.1998



31.2265, 18.7626, 52.5912

Triad

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



23.9761, 18.7626, 80.1998



26.9957, 18.7626, 2.3558



7.4663, 18.7626, 16.7391

Complementary

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



23.9761, 18.7626, 80.1998



58.3351, 63.7381, 17.6174

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.



8.9502, 18.7626, 5.0956



23.9761, 18.7626, 80.1998



19.2439, 18.7626, 1.0368

Square

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



23.9761, 18.7626, 80.1998



33.2669, 18.7626, 8.3041



12.8410, 18.7626, 1.5406



8.1096, 18.7626, 40.7921

Rectangle

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



23.9761, 18.7626, 80.1998



34.2996, 18.7626, 32.9411



12.8410, 18.7626, 1.5406



7.7172, 18.7626, 11.5704

Sweetspot

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



23.9770, 18.7631, 80.2003



67.8610, 68.8296, 104.3165



44.5888, 65.3348, 70.5837



13.7757, 13.8645, 22.2000



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



23.9770, 18.7631, 80.2003



23.6054, 15.6840, 96.3909



27.8549, 17.3514, 79.7234



14.4340, 14.9544, 19.0480



8.8141, 4.2752, 44.1036



0.7522, 0.4558, 3.4832

Inverse Universe

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



39.8632, 24.9387, 17.1807



44.6902, 25.1137, 12.4725



50.7915, 69.6770, 19.1613



15.1679, 15.0950, 16.1692



19.3043, 9.9244, 2.1376



1.5462, 0.7914, 0.3275

Previews

White Background



This preview shows how the XYZ color 23.9761, 18.7626, 80.1998 looks on a white background.

Color Contrast Check

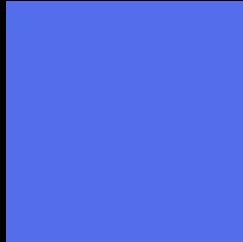
Large Text (above 18pt) WCAG AA ✓ Pass

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 23.9761, 18.7626, 80.1998 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

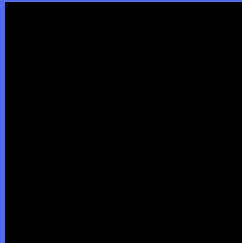
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 23.9761, 18.7626, 80.1998

Background



This preview shows how black text looks on a background with the XYZ color 23.9761, 18.7626, 80.1998.



This preview shows how white text looks on a background with the XYZ color 23.9761, 18.7626,

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

23.9761, 18.7626, 80.1998

Protanopia

22.5433, 18.8884, 85.6767

Deuteranopia

18.9698, 18.7232, 65.5649



Tritanopia

13.6352, 18.7053, 28.8784

Trichromacy



Original Color

23.9761, 18.7626, 80.1998

Protanomaly

22.6531, 18.6614, 83.2970

Deuteranomaly

19.9775, 18.2343, 70.8733

Tritanomaly

16.2164, 18.1542, 43.7237

Monochromacy



Original Color

23.9761, 18.7626, 80.1998

Achromatopsia

16.6002, 17.4647, 19.0191

Achromatomaly

17.8721, 17.2565, 35.1898

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.9761, 18.7626, 80.1998 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(84, 109, 234)` looks like.

```
.text, #text, p{  
    color:rgb(84, 109, 234)  
}
```

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(84, 109, 234) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(84, 109, 234) }
```

Border

The CSS property to change the border of an element to XYZ 23.9761, 18.7626, 80.1998 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(84, 109, 234) }
```


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

```
.border{ border-color:rgb(84, 109, 234) }
```

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

Here you see how a box with a 4 pixel `rgb(84, 109, 234)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(84, 109, 234); -webkit-box-  
shadow:4px 4px 4px 4px rgb(84, 109, 234);  
box-shadow:4px 4px 4px 4px rgb(84, 109,  
234) }
```

Background

The CSS property to change the background color of an element to XYZ 23.9761, 18.7626, 80.1998 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(84, 109, 234) }
```

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

```
.background{ background-color: rgb(84, 109,  
234) }
```

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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