

Converting Colors

XYZ(23.0976, 18.0008, 62.9906)

Have a look what the booklet for
XYZ(23.0976, 18.0008, 62.9906)
contains.

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Color

**XYZ(23.2400, 18.1358,
63.2484)**

Conversions

Conversions Part 1

Format	Color
Hex	6F69D2
RGB	111, 105, 210
RGB Percent	44%, 41%, 82%
CMY	0.5647, 0.5882, 0.1765
CMYK	0.47, 0.50, 0.00, 0.18
HSL	243°, 54%, 62%
HSV	243°, 50%, 82%
XYZ	23.2400, 18.1358, 63.2484
YIQ	118.7640, -30.1290, 33.9270

Conversions

Conversions Part 2

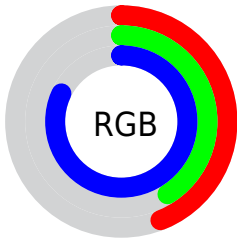
Format	Color
R_{YB}	111, 105, 210
Decimal	7301586
CIE _{Lab}	49.66, 29.64, -53.67
CIE _{LCh}	50, 61.308, 298.910
Yxy	18.1358, 0.2221, 0.1733
Android (android.graphics.Color)	4285491666 (0xFF6F69D2)
YUV	118.7640, 44.9793, -6.8090
Hunter-Lab	42.5861, 22.8848, -58.2464

Details

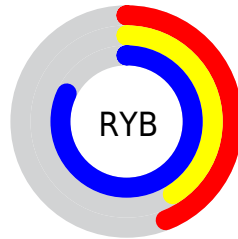
The XYZ color **23.2400, 18.1358, 63.2484** is a dark color, and the websafe version is hex **6666CC**. A complement of this color would be **50.4976, 59.9503, 22.2750**, and the grayscale version is **17.3301, 18.2327, 19.8554**.

A 20% lighter version of the original color is **46.0869, 39.3218, 99.7686**, and **8.8456, 6.1227, 31.7259** is the 20% darker color. If you saturate the color by 10%, you get **19.1380, 13.2286, 62.5178**, and if you desaturate by 10%, it is **28.4237, 24.3849, 64.1818**.

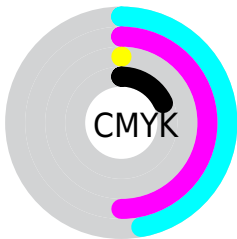
Distribution



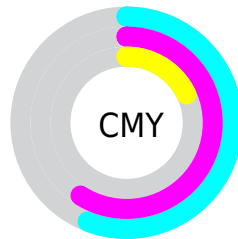
- Red (44%)
- Green (41%)
- Blue (82%)



- Red (44%)
- Yellow (41%)
- Blue (82%)



- Cyan (47%)
- Magenta (50%)
- Yellow (0%)
- Black (18%)



- Cyan (56%)
- Magenta (59%)
- Yellow (18%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.2400, 18.1358, 63.2484 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 23.2400, 18.1358, 63.2484 by changing the saturation by 10% instead.

■ 23.2400, 18.1358,
63.2484

■ 23.2400, 18.1358,
63.2484

261.4677,
241.6354, 454.6032

■ 14.8925, 11.0475,
45.5999

■ 48.2509, 40.2686,
111.1168

■ 8.8298, 6.0988,
31.5838

■ 65.6449, 56.0819,
142.1738

■ 4.6865, 2.9053,
20.7816

■ 86.7852, 75.5723,
178.5374

■ 2.0974, 1.0825,
12.7748

■ 112.0371, 99.1243,
220.6262

■ 0.6878, 0.0000,
7.1448

141.7660,
127.1222, 268.8586

■ 0.0000, 0.0000,
3.4730

176.3371,

■ 0.0000, 0.0000,

159.9504, 323.6532

1.3409

216.1159,
197.9933, 385.4285

■ 0.0000, 0.0000,
0.0950

■ 0.0000, 0.0000,
0.0000

■ 23.2400, 18.1358,
63.2484

■ 23.2400, 18.1358,
63.2484

■ 19.1380, 13.2286,
62.5178

■ 28.4237, 24.3849,
64.1818

■ 16.0389, 9.5633,
61.9737

■ 34.7559, 32.0625,
65.3299

■ 13.8569, 7.0289,
61.5995

■ 42.3006, 41.2500,
66.7057

■ 12.4908, 5.4935,
61.3751

■ 51.1166, 52.0222,
68.3203

■ 11.7847, 4.7314,
61.2652

■ 61.2587, 64.4490,
70.1843

■ 11.7846, 4.7314,
61.2652

■ 72.7785, 78.5960,
72.3078

■ 85.7251, 94.5252,
74.7001

■ 88.6329, 97.4332,
75.1081

Harmonies

Analogous

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



17.0253, 18.1358, 72.3258



23.2400, 18.1358, 63.2484



28.7202, 18.1358, 41.3781

Triad

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



23.2400, 18.1358, 63.2484



23.6933, 18.1358, 3.0448



8.2881, 18.1358, 19.1429

Complementary

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



23.2400, 18.1358, 63.2484



50.4976, 59.9503, 22.2750

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.



9.3140, 18.1358, 7.3812



23.2400, 18.1358, 63.2484



17.4515, 18.1358, 1.9038

Square

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



23.2400, 18.1358, 63.2484



29.0207, 18.1358, 7.9433



12.3693, 18.1358, 2.8727



9.1734, 18.1358, 39.6714

Rectangle

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



23.2400, 18.1358, 63.2484



30.7329, 18.1358, 26.5829



12.3693, 18.1358, 2.8727



8.4158, 18.1358, 14.1964

Sweetspot

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



23.2408, 18.1364, 63.2489



71.9929, 71.7672, 104.6658



39.2305, 51.1999, 68.7880



14.7968, 14.6128, 22.2906



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.



23.2408, 18.1364, 63.2489



29.3252, 20.0859, 96.9391



31.7379, 22.5168, 63.6465



11.2253, 11.4495, 14.8620



7.2163, 2.9004, 37.3720



0.4260, 0.1738, 2.0907

Inverse Universe

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



42.5289, 28.1646, 60.3197



62.6646, 37.4321, 91.3141



38.5925, 53.8130, 21.7179



12.2804, 11.9969, 14.7524



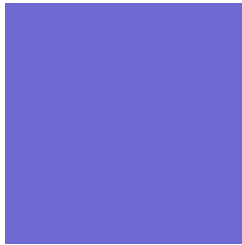
22.4424, 10.8498, 33.5656



1.2639, 0.6103, 1.9247

Previews

White Background



This preview shows how the XYZ color 23.2400, 18.1358, 63.2484 looks on a white 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

Black Background



This preview shows how the XYZ color 23.2400, 18.1358, 63.2484 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

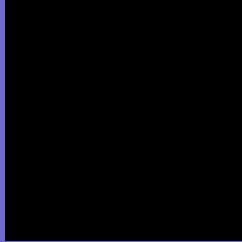
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 23.2400, 18.1358, 63.2484

Background



This preview shows how black text looks on a background with the XYZ color 23.2400, 18.1358, 63.2484.



This preview shows how white text looks on a background with the XYZ color 23.2400, 18.1358,

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

23.2400, 18.1358, 63.2484

Protanopia

20.9855, 18.2587, 70.1284

Deuteranopia

18.8142, 18.1909, 61.5511



Tritanopia

15.4364, 17.9832, 24.8478

Trichromacy



Original Color

23.2400, 18.1358, 63.2484

Protanomaly

21.3874, 18.0322, 67.3191

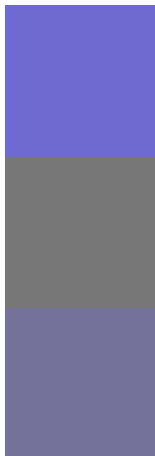
Deuteranomaly

19.7172, 17.7820, 62.0676

Tritanomaly

17.6082, 17.6054, 36.1883

Monochromacy



Original Color

23.2400, 18.1358, 63.2484

Achromatopsia

17.5343, 18.4475, 20.0893

Achromatomaly

18.8873, 18.0146, 32.1875

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.2400, 18.1358, 63.2484 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(111, 105, 210)` looks like.

```
.text, #text, p{  
    color:rgb(111, 105, 210)  
}
```

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(111, 105, 210) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(111, 105, 210) }
```

Border

The CSS property to change the border of an element to XYZ 23.2400, 18.1358, 63.2484 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(111, 105, 210) }
```


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

```
.border{ border-color:rgb(111, 105, 210) }
```

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

Here you see how a box with a 4 pixel `rgb(111, 105, 210)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(111, 105, 210); -webkit-box-  
shadow:4px 4px 4px 4px rgb(111, 105, 210);  
box-shadow:4px 4px 4px 4px rgb(111, 105,  
210) }
```

Background

The CSS property to change the background color of an element to XYZ 23.2400, 18.1358, 63.2484 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(111, 105, 210) }
```

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

```
.background{ background-color: rgb(111,  
105, 210) }
```

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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