

Converting Colors

XYZ(23.6407, 22.8752, 43.7267)

Have a look what the booklet for
XYZ(23.6407, 22.8752, 43.7267)
contains.

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Color

**XYZ(23.7565, 23.0066,
43.7461)**

Conversions

Conversions Part 1

Format	Color
Hex	7B81AF
RGB	123, 129, 175
RGB Percent	48%, 51%, 69%
CMY	0.5176, 0.4941, 0.3137
CMYK	0.30, 0.26, 0.00, 0.31
HSL	233°, 25%, 58%
HSV	233°, 30%, 69%
XYZ	23.7565, 23.0066, 43.7461
YIQ	132.4500, -18.3420, 13.0340

Conversions

Conversions Part 2

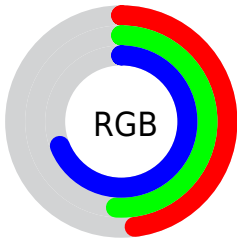
Format	Color
R_{YB}	123, 128, 175
Decimal	8094127
CIE Lab	55.08, 8.58, -25.03
CIE LCh	55, 26.459, 288.925
Yxy	23.0066, 0.2625, 0.2542
Android (android.graphics.Color)	4286284207 (0xFF7B81AF)
YUV	132.4500, 20.9772, -8.2876
Hunter-Lab	47.9652, 4.4695, -20.4991

Details

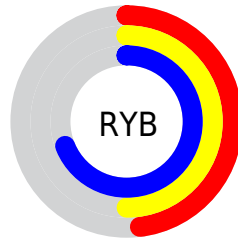
The XYZ color **23.7565, 23.0066, 43.7461** is a dark color, and the websafe version is hex **9999CC**. A complement of this color would be **35.4428, 38.9204, 24.3840**, and the grayscale version is **22.0265, 23.1736, 25.2361**.

A 20% lighter version of the original color is **49.2832, 48.5725, 82.3792**, and **9.0540, 8.5202, 19.5797** is the 20% darker color. If you saturate the color by 10%, you get **19.5863, 18.0560, 43.0107**, and if you desaturate by 10%, it is **28.6847, 28.8076, 44.6065**.

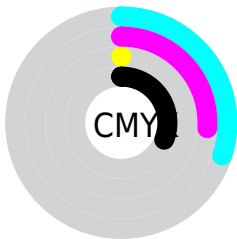
Distribution



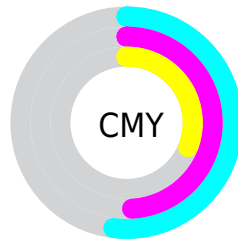
- Red (48%)
- Green (51%)
- Blue (69%)



- Red (48%)
- Yellow (50%)
- Blue (69%)



- Cyan (30%)
- Magenta (26%)
- Yellow (0%)
- Black (31%)



- Cyan (52%)
- Magenta (49%)
- Yellow (31%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.7565, 23.0066, 43.7461 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 23.7565, 23.0066, 43.7461 by changing the saturation by 10% instead.

■ 23.7565, 23.0066,
43.7461

■ 23.7565, 23.0066,
43.7461

264.0505,
267.7589, 377.6822

■ 15.2768, 14.5984,
30.1352

■ 49.0901, 48.4042,
82.1339

■ 9.1015, 8.5380,
19.6883

■ 66.6748, 66.1623,
107.7480

■ 4.8651, 4.4411,
11.9869

■ 88.0252, 87.8059,
138.2002

■ 2.2023, 1.9232,
6.6123

113.5067,
113.7192, 173.9091

■ 0.7439, 0.5623,
3.1461

143.4846,
144.2868, 215.2932

■ 0.0000, 0.0000,
1.1697

178.3243,

■ 0.0000, 0.0000,

179.8931, 262.7710

0.0000

218.3911,
220.9223, 316.7612

■ 23.7565, 23.0066,
43.7461

■ 23.7565, 23.0066,
43.7461

■ 19.5863, 18.0560,
43.0107

■ 28.6847, 28.8076,
44.6065

■ 16.1342, 13.9131,
42.3930

■ 34.4036, 35.4937,
45.5956

■ 13.3598, 10.5355,
41.8873

■ 40.9469, 43.1008,
46.7190

■ 11.2181, 7.8759,
41.4868

■ 48.3455, 51.6621,
47.9816

■ 9.6584, 5.8817,
41.1841

■ 56.6289, 61.2092,
49.3878

■ 8.6219, 4.4927,
40.9706

■ 65.8250, 71.7721,
50.9419

■ 8.0058, 3.6215,
40.8350

■ 75.9606, 83.3797,
52.6482

■ 7.9915, 3.6024,
40.8320

■ 84.0554, 94.5100,
54.3700

■ 84.7379, 95.8752,
54.5975

Harmonies

Analogous

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



20.7968, 23.0066, 44.5852



23.7565, 23.0066, 43.7461



26.4220, 23.0066, 37.2946

Triad

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



23.7565, 23.0066, 43.7461



25.8046, 23.0066, 14.7017



16.7652, 23.0066, 22.0611

Complementary

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



23.7565, 23.0066, 43.7461



35.4428, 38.9204, 24.3840

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.



17.8683, 23.0066, 15.8305



23.7565, 23.0066, 43.7461



22.9735, 23.0066, 12.2628

Square

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



23.7565, 23.0066, 43.7461



27.6759, 23.0066, 20.1478



20.0806, 23.0066, 12.6234



16.9339, 23.0066, 30.6897

Rectangle

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



23.7565, 23.0066, 43.7461



27.5909, 23.0066, 31.3492



20.0806, 23.0066, 12.6234



16.9953, 23.0066, 19.6572

Sweetspot

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



23.7573, 23.0075, 43.7466



62.2291, 64.2831, 81.7649



30.6541, 37.7335, 43.1715



13.4826, 13.8814, 18.1131



84.5950, 89.0005, 96.9216



16.2198, 17.0645, 18.5832

Same Dimension

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



23.7573, 23.0075, 43.7466



37.2465, 34.9205, 77.4141



26.1377, 23.0955, 43.6382



7.6506, 7.9006, 10.0744



5.7474, 2.6287, 29.2490



0.1829, 0.1192, 0.8213

Inverse Universe

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



28.7253, 24.8656, 24.0553



47.7153, 39.0051, 35.8816



32.4361, 39.0657, 24.5705



8.0414, 8.0298, 8.5290



12.7647, 6.5684, 1.1403



0.3667, 0.1874, 0.0929

Previews

White Background



This preview shows how the XYZ color 23.7565, 23.0066, 43.7461 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 23.7565, 23.0066, 43.7461 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

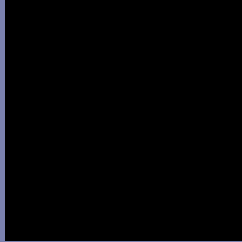
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 23.7565, 23.0066, 43.7461

Background



This preview shows how black text looks on a background with the XYZ color 23.7565, 23.0066, 43.7461.



This preview shows how white text looks on a background with the XYZ color 23.7565, 23.0066,

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

23.7565, 23.0066, 43.7461

Protanopia

23.4269, 23.0218, 44.2832

Deuteranopia

23.6057, 23.1254, 43.7769



Tritanopia

21.1109, 23.1542, 30.1446

Trichromacy



Original Color

23.7565, 23.0066, 43.7461

Protanomaly

23.5648, 23.0929, 44.2897

Deuteranomaly

23.7465, 23.1980, 43.7835

Tritanomaly

21.9960, 23.0973, 34.7514

Monochromacy



Original Color

23.7565, 23.0066, 43.7461

Achromatopsia

21.9318, 23.0740, 25.1276

Achromatomaly

22.5149, 23.0378, 31.2771

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.7565, 23.0066, 43.7461 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(123, 129, 175)` looks like.

```
.text, #text, p{  
    color:rgb(123, 129, 175)  
}
```

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(123, 129, 175) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(123, 129, 175) }
```

Border

The CSS property to change the border of an element to XYZ 23.7565, 23.0066, 43.7461 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(123, 129, 175) }
```


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

```
.border{ border-color:rgb(123, 129, 175) }
```

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

Here you see how a box with a 4 pixel `rgb(123, 129, 175)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(123, 129, 175); -webkit-box-  
shadow:4px 4px 4px 4px rgb(123, 129, 175);  
box-shadow:4px 4px 4px 4px rgb(123, 129,  
175) }
```

Background

The CSS property to change the background color of an element to XYZ 23.7565, 23.0066, 43.7461 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(123, 129, 175) }
```

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

```
.background{ background-color: rgb(123,  
129, 175) }
```

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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