

Converting Colors

XYZ(23.8108, 21.3712, 45.7252)

Have a look what the booklet for
XYZ(23.8108, 21.3712, 45.7252)
contains.

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Color

**XYZ(23.7552, 21.2768,
45.5026)**

Conversions

Conversions Part 1

Format	Color
Hex	8078B3
RGB	128, 120, 179
RGB Percent	50%, 47%, 70%
CMY	0.4980, 0.5294, 0.2980
CMYK	0.28, 0.33, 0.00, 0.30
HSL	248°, 28%, 59%
HSV	248°, 33%, 70%
XYZ	23.7552, 21.2768, 45.5026
YIQ	129.1180, -14.1710, 20.0450

Conversions

Conversions Part 2

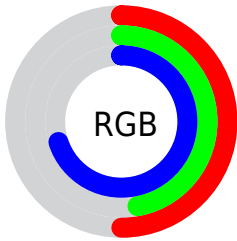
Format	Color
R_{YB}	128, 120, 179
Decimal	8419507
CIE _{Lab}	53.25, 16.46, -30.13
CIE _{LCh}	53, 34.330, 298.641
Yxy	21.2768, 0.2624, 0.2350
Android (android.graphics.Color)	4286609587 (0xFF8078B3)
YUV	129.1180, 24.5918, -0.9805
Hunter-Lab	46.1268, 11.2053, -26.1989

Details

The XYZ color **23.7552, 21.2768, 45.5026** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **36.3054, 42.2547, 24.0126**, and the grayscale version is **20.8283, 21.9130, 23.8632**.

A 20% lighter version of the original color is **49.0393, 45.4483, 84.7850**, and **9.1438, 7.7189, 20.7466** is the 20% darker color. If you saturate the color by 10%, you get **19.6478, 16.2572, 44.7506**, and if you desaturate by 10%, it is **28.6214, 27.2859, 46.4064**.

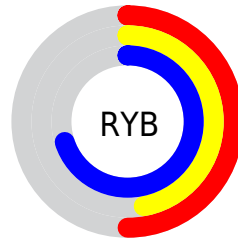
Distribution



Red (50%)

Green (47%)

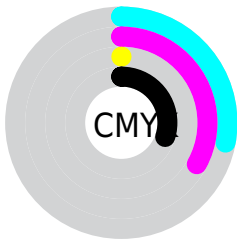
Blue (70%)



Red (50%)

Yellow (47%)

Blue (70%)

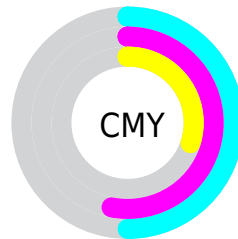


Cyan (28%)

Magenta (33%)

Yellow (0%)

Black (30%)



Cyan (50%)

Magenta (53%)

Yellow (30%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.7552, 21.2768, 45.5026 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 23.7552, 21.2768, 45.5026 by changing the saturation by 10% instead.

■ 23.7552, 21.2768,
45.5026

■ 23.7552, 21.2768,
45.5026

264.0440,
258.7459, 385.0246

■ 15.2759, 13.3265,
31.5077

■ 49.0880, 45.5478,
84.8005

■ 9.1008, 7.6537,
20.7240

■ 66.6722, 62.6372,
110.9406

■ 4.8646, 3.8742,
12.7332

■ 88.0221, 83.5418,
141.9661

■ 2.2020, 1.6034,
7.1165

113.5030,
108.6459, 178.2957

■ 0.7438, 0.3599,
3.4555

143.4803,
138.3340, 220.3477

■ 0.0000, 0.0000,
1.3317

178.3193,

■ 0.0000, 0.0000,

172.9904, 268.5409

0.0875

218.3854,
212.9996, 323.2937

■ 0.0000, 0.0000,
0.0000

■ 23.7552, 21.2768,
45.5026

■ 23.7552, 21.2768,
45.5026

■ 19.6478, 16.2572,
44.7506

■ 28.6214, 27.2859,
46.4064

■ 16.2586, 12.1713,
44.1405

■ 34.2799, 34.3311,
47.4680

■ 13.5462, 8.9618,
43.6640

■ 40.7650, 42.4592,
48.6951

■ 11.4644, 6.5637,
43.3109

■ 48.1081, 51.7133,
50.0943

■ 9.9609, 4.9033,
43.0696

■ 56.3391, 62.1343,
51.6719

■ 8.9744, 3.8927,
42.9265

■ 65.4864, 73.7607,
53.4339

■ 8.5199, 3.4522,
42.8655

■ 75.5771, 86.6296,
55.3860

■ 83.9643, 95.4303,
56.6427

■ 85.1367, 96.0347,
56.6975

Harmonies

Analogous

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



20.0579, 21.2768, 49.4369



23.7552, 21.2768, 45.5026



26.7856, 21.2768, 35.1996

Triad

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



23.7552, 21.2768, 45.5026



24.0757, 21.2768, 9.9495



14.0187, 21.2768, 22.6962

Complementary

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



23.7552, 21.2768, 45.5026



36.3054, 42.2547, 24.0126

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.



14.8307, 21.2768, 14.2461



23.7552, 21.2768, 45.5026



20.3889, 21.2768, 8.3815

Square

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



23.7552, 21.2768, 45.5026



26.9856, 21.2768, 14.8479



17.0595, 21.2768, 9.6822



14.6965, 21.2768, 34.1259

Rectangle

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



23.7552, 21.2768, 45.5026



27.8642, 21.2768, 27.3296



17.0595, 21.2768, 9.6822



14.1245, 21.2768, 19.4497

Sweetspot

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



23.7559, 21.2776, 45.5031



64.4839, 65.3497, 85.5963



30.4711, 36.4245, 48.0728



13.9424, 14.0478, 18.8989



86.6293, 91.1408, 99.2523



17.0014, 17.8868, 19.4787

Same Dimension

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



23.7559, 21.2776, 45.5031



36.7529, 31.0185, 80.4313



28.8301, 23.8935, 45.7406



8.1456, 8.2836, 10.6759



6.0537, 2.4566, 30.2921



0.2242, 0.0947, 0.9547

Inverse Universe

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



32.6581, 25.9577, 41.8177



55.4084, 40.8351, 72.3007



30.6034, 39.3152, 23.7458



8.7995, 8.6265, 10.4425



17.3192, 8.4452, 22.6387



0.5586, 0.2712, 0.7841

Previews

White Background



This preview shows how the XYZ color 23.7552, 21.2768, 45.5026 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 23.7552, 21.2768, 45.5026 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

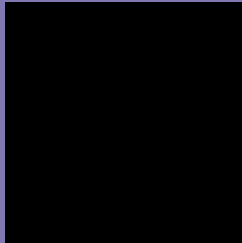
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 23.7552, 21.2768, 45.5026

Background



This preview shows how black text looks on a background with the XYZ color 23.7552, 21.2768, 45.5026.



This preview shows how white text looks on a background with the XYZ color 23.7552, 21.2768,

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

23.7552, 21.2768, 45.5026

Protanopia

22.1875, 21.3373, 47.7489

Deuteranopia

21.9271, 21.4511, 45.1043



Tritanopia

20.0523, 21.2664, 27.0927

Trichromacy



Original Color

23.7552, 21.2768, 45.5026

Protanomaly

22.7289, 21.2563, 47.1609

Deuteranomaly

22.5797, 21.4116, 45.0622

Tritanomaly

21.2518, 21.1781, 33.1047

Monochromacy



Original Color

23.7552, 21.2768, 45.5026

Achromatopsia

20.8660, 21.9526, 23.9064

Achromatomaly

21.7806, 21.6954, 30.6434

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.7552, 21.2768, 45.5026 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(128, 120, 179)` looks like.

```
.text, #text, p{  
    color:rgb(128, 120, 179)  
}
```

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(128, 120, 179) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 120, 179) }
```

Border

The CSS property to change the border of an element to XYZ 23.7552, 21.2768, 45.5026 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(128, 120, 179) }
```


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

```
.border{ border-color:rgb(128, 120, 179) }
```

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

Here you see how a box with a 4 pixel `rgb(128, 120, 179)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(128, 120, 179); -webkit-box-  
shadow:4px 4px 4px 4px rgb(128, 120, 179);  
box-shadow:4px 4px 4px 4px rgb(128, 120,  
179) }
```

Background

The CSS property to change the background color of an element to XYZ 23.7552, 21.2768, 45.5026 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 120, 179) }
```

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

```
.background{ background-color: rgb(128,  
120, 179) }
```

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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