

Converting Colors

XYZ(23.7519, 20.2811, 45.8553)

Have a look what the booklet for
XYZ(23.7519, 20.2811, 45.8553)
contains.

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Color

**XYZ(23.7713, 20.2354,
45.8330)**

Conversions

Conversions Part 1

Format	Color
Hex	8472B4
RGB	132, 114, 180
RGB Percent	52%, 45%, 71%
CMY	0.4823, 0.5529, 0.2941
CMYK	0.27, 0.37, 0.00, 0.29
HSL	256°, 31%, 58%
HSV	256°, 37%, 71%
XYZ	23.7713, 20.2354, 45.8330
YIQ	126.9060, -10.4580, 24.3420

Conversions

Conversions Part 2

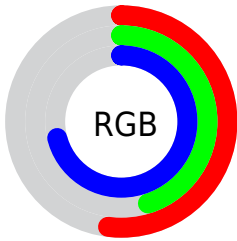
Format	Color
R_{YB}	132, 114, 180
Decimal	8680116
CIE _{Lab}	52.10, 21.48, -32.47
CIE _{LCh}	52, 38.932, 303.483
Yxy	20.2354, 0.2646, 0.2252
Android (android.graphics.Color)	4286870196 (0xFF8472B4)
YUV	126.9060, 26.1753, 4.4674
Hunter-Lab	44.9838, 15.6052, -28.9207

Details

The XYZ color **23.7713, 20.2354, 45.8330** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **34.2591, 41.5392, 22.1324**, and the grayscale version is **20.0568, 21.1013, 22.9793**.

A 20% lighter version of the original color is **49.0262, 43.7677, 85.2209**, and **9.1723, 7.1781, 20.9807** is the 20% darker color. If you saturate the color by 10%, you get **20.0171, 15.5772, 45.1321**, and if you desaturate by 10%, it is **28.1834, 25.8267, 46.6800**.

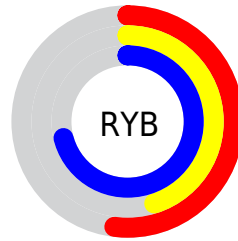
Distribution



Red (52%)

Green (45%)

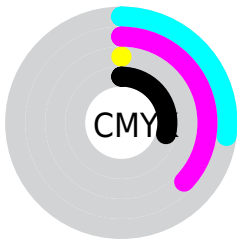
Blue (71%)



Red (52%)

Yellow (45%)

Blue (71%)

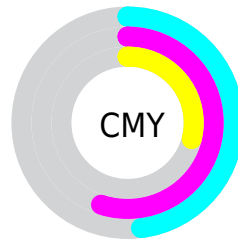


Cyan (27%)

Magenta (37%)

Yellow (0%)

Black (29%)



Cyan (48%)

Magenta (55%)

Yellow (29%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.7713, 20.2354, 45.8330 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 23.7713, 20.2354, 45.8330 by changing the saturation by 10% instead.

■ 23.7713, 20.2354,
45.8330

■ 23.7713, 20.2354,
45.8330

264.1242,
253.1866, 386.3949

■ 15.2879, 12.5663,
31.7663

■ 49.1141, 43.8115,
85.3007

■ 9.1093, 7.1306,
20.9198

■ 66.7043, 60.4873,
111.5387

■ 4.8702, 3.5439,
12.8747

■ 88.0606, 80.9340,
142.6711

■ 2.2053, 1.4218,
7.2126

■ 113.5487,
105.5362, 179.1161

■ 0.7455, 0.2327,
3.5150

143.5337,
134.6781, 221.2925

■ 0.0000, 0.0000,
1.3632

178.3810,

■ 0.0000, 0.0000,

168.7442, 269.6187

0.1128

218.4561,
208.1190, 324.5134

■ 0.0000, 0.0000,
0.0000

■ 23.7713, 20.2354,
45.8330

■ 23.7713, 20.2354,
45.8330

■ 20.0171, 15.5772,
45.1321

■ 28.1834, 25.8267,
46.6800

■ 16.8855, 11.7976,
44.5676

■ 33.2818, 32.3965,
47.6794

■ 14.3413, 8.8404,
44.1309

■ 39.0959, 39.9903,
48.8387

■ 12.3443, 6.6412,
43.8117

■ 45.6526, 48.6497,
50.1646

■ 10.8489, 5.1261,
43.5980

■ 52.9774, 58.4142,
51.6633

■ 9.7959, 4.1950,
43.4738

■ 61.0946, 69.3213,
53.3407

■ 9.5095, 3.9506,
43.4418

■ 70.0274, 81.4065,
55.2026

■ 78.8327, 92.7731,
56.9325

■ 83.3578, 95.1059,
57.1443

Harmonies

Analogous

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



19.7017, 20.2354, 51.9469



23.7713, 20.2354, 45.8330



26.9253, 20.2354, 33.3377

Triad

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



23.7713, 20.2354, 45.8330



22.8560, 20.2354, 7.6652



12.5614, 20.2354, 23.3912

Complementary

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



23.7713, 20.2354, 45.8330



34.2591, 41.5392, 22.1324

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.



13.1662, 20.2354, 13.6251



23.7713, 20.2354, 45.8330



18.7720, 20.2354, 6.5985

Square

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



23.7713, 20.2354, 45.8330



26.3477, 20.2354, 12.0190



15.3128, 20.2354, 8.3428



13.5306, 20.2354, 36.4701

Rectangle

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



23.7713, 20.2354, 45.8330



27.8820, 20.2354, 24.6153



15.3128, 20.2354, 8.3428



12.5880, 20.2354, 19.6378

Sweetspot

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



23.7720, 20.2362, 45.8335



65.9570, 66.0484, 87.5669



28.1691, 32.8551, 48.0374



13.9538, 13.8813, 18.8662



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.



23.7720, 20.2362, 45.8335



37.5079, 29.7340, 82.0570



29.6900, 23.2871, 46.1104



8.2523, 8.3386, 10.6809



6.6936, 2.7865, 30.3220



0.2680, 0.1172, 0.9567

Inverse Universe

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



31.3617, 24.3471, 37.2290



53.4908, 38.4059, 63.2710



28.4732, 38.5564, 21.8617



8.7492, 8.6064, 10.1775



16.0210, 7.9260, 15.8025



0.5270, 0.2586, 0.6181

Previews

White Background



This preview shows how the XYZ color 23.7713, 20.2354, 45.8330 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 23.7713, 20.2354, 45.8330 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 23.7713, 20.2354, 45.8330

Background



This preview shows how black text looks on a background with the XYZ color 23.7713, 20.2354, 45.8330.



This preview shows how white text looks on a background with the XYZ color 23.7713, 20.2354,

45.8330.

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

23.7713, 20.2354, 45.8330

Protanopia

21.4087, 20.3317, 49.8098

Deuteranopia

20.8278, 20.3233, 44.9445



Tritanopia

19.6097, 20.3197, 25.0789

Trichromacy



Original Color

23.7713, 20.2354, 45.8330

Protanomaly

22.0586, 20.1651, 48.0770

Deuteranomaly

21.7926, 20.2650, 45.4108

Tritanomaly

20.8257, 20.0706, 31.6305

Monochromacy



Original Color

23.7713, 20.2354, 45.8330

Achromatopsia

20.1725, 21.2231, 23.1119

Achromatomaly

21.2011, 20.6615, 30.0648

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.7713, 20.2354, 45.8330 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(132, 114, 180)` looks like.

```
.text, #text, p{  
    color:rgb(132, 114, 180)  
}
```

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(132, 114, 180) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(132, 114, 180) }
```

Border

The CSS property to change the border of an element to XYZ 23.7713, 20.2354, 45.8330 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(132, 114, 180) }
```


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

```
.border{ border-color:rgb(132, 114, 180) }
```

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

Here you see how a box with a 4 pixel `rgb(132, 114, 180)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(132, 114, 180); -webkit-box-  
shadow:4px 4px 4px 4px rgb(132, 114, 180);  
box-shadow:4px 4px 4px 4px rgb(132, 114,  
180) }
```

Background

The CSS property to change the background color of an element to XYZ 23.7713, 20.2354, 45.8330 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(132, 114, 180) }
```

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

```
.background{ background-color: rgb(132,  
114, 180) }
```

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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