

Converting Colors

XYZ(23.8661, 20.0510, 45.2732)

Have a look what the booklet for
XYZ(23.8661, 20.0510, 45.2732)
contains.

XYZ(23.8733, 20.1333, 45.2757)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(23.8733, 20.1333,
45.2757)**

Conversions

Conversions Part 1

Format	Color
Hex	8671B3
RGB	134, 113, 179
RGB Percent	53%, 44%, 70%
CMY	0.4745, 0.5569, 0.2980
CMYK	0.25, 0.37, 0.00, 0.30
HSL	259°, 30%, 57%
HSV	259°, 37%, 70%
XYZ	23.8733, 20.1333, 45.2757
YIQ	126.8030, -8.6700, 24.9780

Conversions

Conversions Part 2

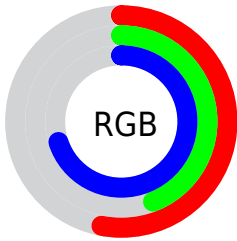
Format	Color
R_{YB}	134, 113, 179
Decimal	8810931
CIE _{Lab}	51.99, 22.42, -32.06
CIE _{LCh}	52, 39.122, 304.969
Yxy	20.1333, 0.2674, 0.2255
Android (android.graphics.Color)	4287001011 (0xFF8671B3)
YUV	126.8030, 25.7331, 6.3118
Hunter-Lab	44.8701, 16.4487, -28.4168

Details

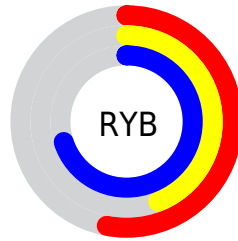
The XYZ color **23.8733, 20.1333, 45.2757** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **33.2020, 40.7021, 21.7300**, and the grayscale version is **20.0226, 21.0654, 22.9402**.

A 20% lighter version of the original color is **49.1896, 43.5998, 84.4203**, and **9.2235, 7.1260, 20.6280** is the 20% darker color. If you saturate the color by 10%, you get **20.2356, 15.5804, 44.5890**, and if you desaturate by 10%, it is **28.1308, 25.5912, 46.1051**.

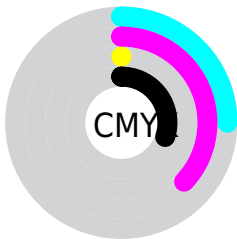
Distribution



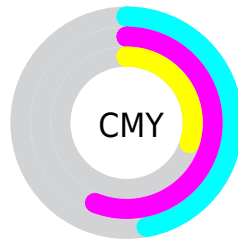
- Red (53%)
- Green (44%)
- Blue (70%)



- Red (53%)
- Yellow (44%)
- Blue (70%)



- Cyan (25%)
- Magenta (37%)
- Yellow (0%)
- Black (30%)



- Cyan (47%)
- Magenta (56%)
- Yellow (30%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.8733, 20.1333, 45.2757 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 23.8733, 20.1333, 45.2757 by changing the saturation by 10% instead.

■ 23.8733, 20.1333,
45.2757

■ 23.8733, 20.1333,
45.2757

264.6317,
252.6358, 384.0816

■ 15.3639, 12.4920,
31.3301

■ 49.2795, 43.6406,
84.4568

■ 9.1631, 7.0797,
20.5898

■ 66.9071, 60.2753,
110.5294

■ 4.9057, 3.5120,
12.6362

■ 88.3047, 80.6766,
141.4814

■ 2.2262, 1.4045,
7.0507

■ 113.8378,
105.2289, 177.7314

■ 0.7565, 0.2200,
3.4149

143.8717,
134.3166, 219.6979

■ 0.0000, 0.0000,
1.3102

178.7717,

■ 0.0000, 0.0000,

168.3240, 267.7994

0.0701

218.9033,
207.6357, 322.4544

■ 0.0000, 0.0000,
0.0000

■ 23.8733, 20.1333,
45.2757

■ 23.8733, 20.1333,
45.2757

■ 20.2356, 15.5804,
44.5890

■ 28.1308, 25.5912,
46.1051

■ 17.1846, 11.8798,
44.0355

■ 33.0347, 31.9982,
47.0833

■ 14.6875, 8.9766,
43.6067

■ 38.6122, 39.3984,
48.2178

■ 12.7066, 6.8084,
43.2926

■ 44.8886, 47.8321,
49.5148

■ 11.1992, 5.3033,
43.0816

■ 51.8878, 57.3378,
50.9807

■ 10.1081, 4.3612,
42.9572

■ 59.6324, 67.9517,
52.6212

■ 9.8214, 4.1232,
42.9264

■ 68.1441, 79.7082,
54.4418

■ 77.0586, 91.8702,
56.3195

■ 81.1510, 93.9799,
56.5110

Harmonies

Analogous

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



19.8077, 20.1333, 51.8647



23.8733, 20.1333, 45.2757



26.9542, 20.1333, 32.5815

Triad

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



23.8733, 20.1333, 45.2757



22.5653, 20.1333, 7.4419



12.4714, 20.1333, 23.8786

Complementary

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



23.8733, 20.1333, 45.2757



33.2020, 40.7021, 21.7300

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.



12.9980, 20.1333, 13.8847



23.8733, 20.1333, 45.2757



18.4799, 20.1333, 6.5199

Square

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



23.8733, 20.1333, 45.2757



26.1285, 20.1333, 11.5948



15.0711, 20.1333, 8.4061



13.5178, 20.1333, 37.0614

Rectangle

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



23.8733, 20.1333, 45.2757



27.8308, 20.1333, 23.9033



15.0711, 20.1333, 8.4061



12.4719, 20.1333, 20.0529

Sweetspot

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



23.8740, 20.1341, 45.2762



64.6909, 64.6182, 85.4442



27.1914, 31.2539, 47.2477



14.0367, 13.9240, 18.8700



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.



23.8740, 20.1341, 45.2762



37.5370, 29.5074, 80.0983



29.9577, 23.2703, 45.5609



8.2880, 8.3570, 10.6826



7.0010, 2.9450, 30.3364



0.2825, 0.1247, 0.9574

Inverse Universe

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



30.6677, 23.8634, 35.3383



51.6451, 37.2654, 58.8476



27.5735, 37.8005, 21.4666



8.7327, 8.5998, 10.0907



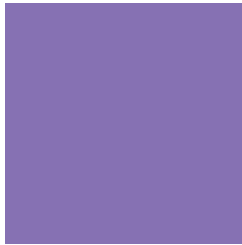
15.6518, 7.7783, 13.8583



0.5176, 0.2548, 0.5682

Previews

White Background



This preview shows how the XYZ color 23.8733, 20.1333, 45.2757 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 23.8733, 20.1333, 45.2757 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

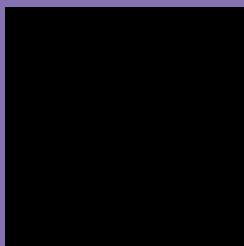
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 23.8733, 20.1333, 45.2757

Background



This preview shows how black text looks on a background with the XYZ color 23.8733, 20.1333, 45.2757.



This preview shows how white text looks on a background with the XYZ color 23.8733, 20.1333,

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

23.8733, 20.1333, 45.2757

Protanopia

21.3019, 20.2890, 49.2478

Deuteranopia

20.7277, 20.2833, 44.4176



Tritanopia

19.7053, 20.1918, 24.6886

Trichromacy



Original Color

23.8733, 20.1333, 45.2757

Protanomaly

22.0835, 20.1900, 47.5329

Deuteranomaly

21.7029, 20.0528, 44.8462

Tritanomaly

20.9237, 19.9528, 31.1822

Monochromacy



Original Color

23.8733, 20.1333, 45.2757

Achromatopsia

20.1725, 21.2231, 23.1119

Achromatomaly

21.3538, 20.7402, 30.0719

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.8733, 20.1333, 45.2757 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(134, 113, 179)` looks like.

```
.text, #text, p{  
    color:rgb(134, 113, 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(134, 113, 179) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(134, 113, 179) }
```

Border

The CSS property to change the border of an element to XYZ 23.8733, 20.1333, 45.2757 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(134, 113, 179) }
```


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

```
.border{ border-color:rgb(134, 113, 179) }
```

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

Here you see how a box with a 4 pixel `rgb(134, 113, 179)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(134, 113, 179); -webkit-box-  
shadow:4px 4px 4px 4px rgb(134, 113, 179);  
box-shadow:4px 4px 4px 4px rgb(134, 113,  
179) }
```

Background

The CSS property to change the background color of an element to XYZ 23.8733, 20.1333, 45.2757 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(134, 113, 179) }
```

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

```
.background{ background-color: rgb(134,  
113, 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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