

Converting Colors

XYZ(23.4935, 20.7765, 30.2932)

Have a look what the booklet for
XYZ(23.4935, 20.7765, 30.2932)
contains.

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Color

**XYZ(23.5445, 20.8004,
30.3777)**

Conversions

Conversions Part 1

Format	Color
Hex	937493
RGB	147, 116, 147
RGB Percent	58%, 45%, 58%
CMY	0.4235, 0.5451, 0.4235
CMYK	0.00, 0.21, 0.00, 0.42
HSL	300°, 13%, 52%
HSV	300°, 21%, 58%
XYZ	23.5445, 20.8004, 30.3777
YIQ	128.8030, 8.5250, 16.2130

Conversions

Conversions Part 2

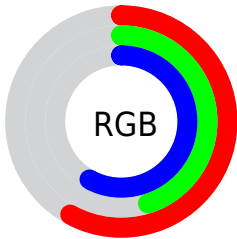
Format	Color
R_{YB}	147, 116, 147
Decimal	9663635
CIE _{Lab}	52.73, 17.77, -12.19
CIE _{LCh}	53, 21.543, 325.555
Yxy	20.8004, 0.3151, 0.2784
Android (android.graphics.Color)	4287853715 (0xFF937493)
YUV	128.8030, 8.9711, 15.9588
Hunter-Lab	45.6075, 12.3362, -7.5660

Details

The XYZ color **23.5445, 20.8004, 30.3777** is a dark color, and the websafe version is hex **996699**. A complement of this color would be **20.7894, 25.8421, 20.4165**, and the grayscale version is **20.7654, 21.8468, 23.7912**.

A 20% lighter version of the original color is **48.6326, 44.6398, 61.3115**, and **9.0023, 7.4656, 12.0329** is the 20% darker color. If you saturate the color by 10%, you get **21.9825, 17.6761, 29.8572**, and if you desaturate by 10%, it is **25.3759, 24.4628, 30.9885**.

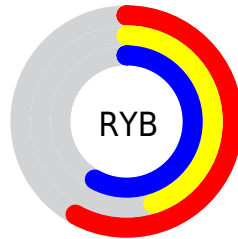
Distribution



Red (58%)

Green (45%)

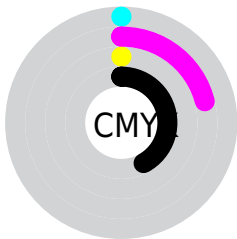
Blue (58%)



Red (58%)

Yellow (45%)

Blue (58%)

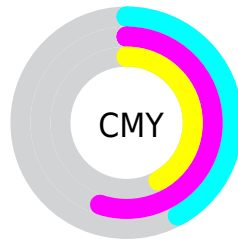


Cyan (0%)

Magenta (21%)

Yellow (0%)

Black (42%)



Cyan (42%)

Magenta (55%)

Yellow (42%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.5445, 20.8004, 30.3777 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 23.5445, 20.8004, 30.3777 by changing the saturation by 10% instead.

■ 23.5445, 20.8004,
30.3777

■ 23.5445, 20.8004,
30.3777

262.9929,
256.2158, 317.9230

■ 15.1190, 12.9782,
19.8710

■ 48.7460, 44.7551,
61.3270

■ 8.9898, 7.4135,
12.1181

■ 66.2526, 61.6564,
82.6067

■ 4.7916, 3.7220,
6.7007

■ 87.5170, 82.3528,
108.3144

■ 2.1590, 1.5193,
3.2000

■ 112.9046,
107.2288, 138.8688

■ 0.7210, 0.3023,
1.1977

142.7806,
136.6686, 174.6883

■ 0.0000, 0.0000,
0.0000

177.5104,

171.0569, 216.1914

217.4594,
210.7778, 263.7968

■ 23.5445, 20.8004,
30.3777

■ 23.5445, 20.8004,
30.3777

■ 21.9825, 17.6761,
29.8572

■ 25.3759, 24.4628,
30.9885

■ 20.6755, 15.0620,
29.4214

■ 27.4866, 28.6841,
31.6922

■ 19.6104, 12.9319,
29.0663

■ 29.8882, 33.4874,
32.4928

■ 18.7725, 11.2561,
28.7869

■ 32.5913, 38.8934,
33.3939

■ 18.1452, 10.0015,
28.5777

■ 35.6056, 44.9222,
34.3988

■ 17.7098, 9.1309,
28.4325

■ 38.9409, 51.5926,
35.5107

■ 17.4445, 8.6002,
28.3439

■ 42.6060, 58.9229,
36.7325

■ 17.2992, 8.3097,
28.2954

■ 46.6098, 66.9304,
38.0672

■ 50.9606, 75.6320,
39.5175

Harmonies

Analogous

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



21.6896, 20.8004, 35.7195



23.5445, 20.8004, 30.3777



24.3895, 20.8004, 23.6190

Triad

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



23.5445, 20.8004, 30.3777



20.1063, 20.8004, 12.4304



16.1288, 20.8004, 28.4053

Complementary

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



23.5445, 20.8004, 30.3777



20.7894, 25.8421, 20.4165

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.



15.7744, 20.8004, 21.7042



23.5445, 20.8004, 30.3777



17.9674, 20.8004, 13.2322

Square

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



23.5445, 20.8004, 30.3777



22.3114, 20.8004, 13.9126



16.4224, 20.8004, 16.3553



17.4296, 20.8004, 34.4379

Rectangle

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



23.5445, 20.8004, 30.3777



24.2231, 20.8004, 19.4946



16.4224, 20.8004, 16.3553



15.8994, 20.8004, 26.1245

Sweetspot

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



23.5451, 20.8013, 30.3781



47.2562, 47.4331, 56.0993



18.7152, 18.3114, 30.1523



10.7382, 10.7292, 12.7898



71.1368, 74.8414, 81.5023



11.3376, 11.9280, 12.9896

Same Dimension

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



23.5451, 20.8013, 30.3781



40.8685, 34.6579, 53.9697



22.4095, 20.3470, 24.3979



6.0353, 5.9092, 7.2922



14.9972, 7.2039, 24.5302



0.1836, 0.0882, 0.3002

Inverse Universe

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



23.5451, 20.8013, 30.3781



40.8685, 34.6579, 53.9697



21.7677, 26.2334, 25.5679



6.0353, 5.9092, 7.2922



14.9972, 7.2039, 24.5302



0.1836, 0.0882, 0.3002

Previews

White Background



This preview shows how the XYZ color 23.5445, 20.8004, 30.3777 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 23.5445, 20.8004, 30.3777 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

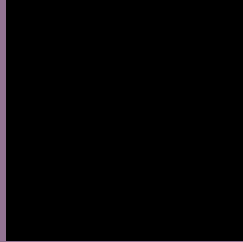
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 23.5445, 20.8004, 30.3777

Background



This preview shows how black text looks on a background with the XYZ color 23.5445, 20.8004, 30.3777.



This preview shows how white text looks on a background with the XYZ color 23.5445, 20.8004,

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

23.5445, 20.8004, 30.3777

Protanopia

20.8291, 20.9602, 33.0849

Deuteranopia

21.3245, 20.9084, 30.1059



Tritanopia

22.0609, 20.7079, 23.6032

Trichromacy



Original Color

23.5445, 20.8004, 30.3777

Protanomaly

21.7514, 20.8993, 32.1657

Deuteranomaly

22.0581, 20.7425, 30.0352

Tritanomaly

22.5994, 20.7542, 26.1074

Monochromacy



Original Color

23.5445, 20.8004, 30.3777

Achromatopsia

20.8660, 21.9526, 23.9064

Achromatomaly

21.8049, 21.4271, 26.2792

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.5445, 20.8004, 30.3777 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(147, 116, 147)` looks like.

```
.text, #text, p{  
    color:rgb(147, 116, 147)  
}
```

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(147, 116, 147) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(147, 116, 147) }
```

Border

The CSS property to change the border of an element to XYZ 23.5445, 20.8004, 30.3777 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(147, 116, 147) }
```


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

```
.border{ border-color:rgb(147, 116, 147) }
```

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

Here you see how a box with a 4 pixel `rgb(147, 116, 147)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(147, 116, 147); -webkit-box-  
shadow:4px 4px 4px 4px rgb(147, 116, 147);  
box-shadow:4px 4px 4px 4px rgb(147, 116,  
147) }
```

Background

The CSS property to change the background color of an element to XYZ 23.5445, 20.8004, 30.3777 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(147, 116, 147) }
```

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

```
.background{ background-color: rgb(147,  
116, 147) }
```

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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