

Converting Colors

XYZ(23.6617, 23.7538, 44.8323)

Have a look what the booklet for
XYZ(23.6617, 23.7538, 44.8323)
contains.

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Color

**XYZ(23.6595, 23.7313,
44.9286)**

Conversions

Conversions Part 1

Format	Color
Hex	7585B1
RGB	117, 133, 177
RGB Percent	46%, 52%, 69%
CMY	0.5412, 0.4784, 0.3059
CMYK	0.34, 0.25, 0.00, 0.31
HSL	224°, 28%, 58%
HSV	224°, 34%, 69%
XYZ	23.6595, 23.7313, 44.9286
YIQ	133.2320, -23.6600, 10.2920

Conversions

Conversions Part 2

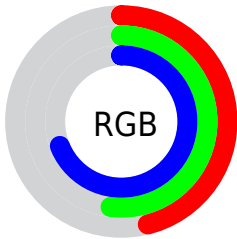
Format	Color
R_{YB}	117, 130, 177
Decimal	7701937
CIE _{Lab}	55.82, 4.97, -25.07
CIE _{LCh}	56, 25.560, 281.209
Yxy	23.7313, 0.2563, 0.2571
Android (android.graphics.Color)	4285892017 (0xFF7585B1)
YUV	133.2320, 21.5776, -14.2355
Hunter-Lab	48.7148, 1.4419, -20.5815

Details

The XYZ color **23.6595, 23.7313, 44.9286** is a dark color, and the websafe version is hex **9999CC**. A complement of this color would be **34.0878, 36.1218, 22.0061**, and the grayscale version is **22.3095, 23.4713, 25.5603**.

A 20% lighter version of the original color is **49.0615, 49.6589, 84.0901**, and **9.0552, 8.9541, 20.3198** is the 20% darker color. If you saturate the color by 10%, you get **19.8338, 19.2825, 44.2719**, and if you desaturate by 10%, it is **28.1561, 28.8530, 45.6806**.

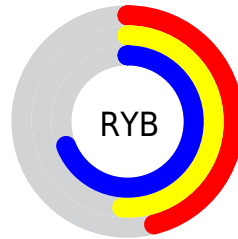
Distribution



Red (46%)

Green (52%)

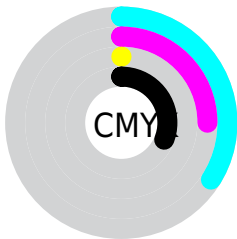
Blue (69%)



Red (46%)

Yellow (51%)

Blue (69%)

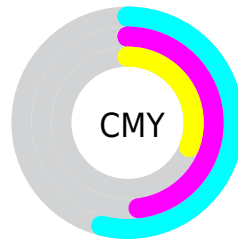


Cyan (34%)

Magenta (25%)

Yellow (0%)

Black (31%)



Cyan (54%)

Magenta (48%)

Yellow (31%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.6595, 23.7313, 44.9286 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 23.6595, 23.7313, 44.9286 by changing the saturation by 10% instead.

■ 23.6595, 23.7313,
44.9286

■ 23.6595, 23.7313,
44.9286

263.5670,
271.4592, 382.6360

■ 15.2046, 15.1344,
31.0587

■ 48.9327, 49.5914,
83.9306

■ 9.0504, 8.9138,
20.3847

■ 66.4817, 67.6233,
109.8997

■ 4.8314, 4.6850,
12.4881

■ 87.7928, 89.5691,
140.7389

■ 2.1824, 2.0636,
6.9505

113.2314,
115.8131, 176.8668

■ 0.7335, 0.6441,
3.3532

143.1627,
146.7398, 218.7019

■ 0.0000, 0.0000,
1.2777

177.9522,

■ 0.0000, 0.0000,

182.7334, 266.6628

0.0434

217.9652,
224.1784, 321.1680

■ 0.0000, 0.0000,
0.0000

■ 23.6595, 23.7313,
44.9286

■ 23.6595, 23.7313,
44.9286

■ 19.8338, 19.2825,
44.2719

■ 28.1561, 28.8530,
45.6806

■ 16.6433, 15.4747,
43.7051

■ 33.3521, 34.6721,
46.5300

■ 14.0522, 12.2776,
43.2246

■ 39.2774, 41.2151,
47.4806

■ 12.0203, 9.6570,
42.8259

■ 45.9593, 48.5063,
48.5358

■ 10.5020, 7.5750,
42.5040

■ 53.4237, 56.5689,
49.6986

■ 9.4433, 5.9882,
42.2535

■ 61.6952, 65.4250,
50.9720

■ 8.9604, 5.2235,
42.1314

■ 70.7974, 75.0957,
52.3589

■ 79.4146, 84.9117,
53.7994

■ 83.3065, 92.6955,
55.0967

Harmonies

Analogous

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



20.8035, 23.7313, 44.1413



23.6595, 23.7313, 44.9286



26.4407, 23.7313, 39.8439

Triad

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



23.6595, 23.7313, 44.9286



27.0258, 23.7313, 16.6661



17.6691, 23.7313, 21.0200

Complementary

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



23.6595, 23.7313, 44.9286



34.0878, 36.1218, 22.0061

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.



19.0715, 23.7313, 15.5738



23.6595, 23.7313, 44.9286



24.4040, 23.7313, 13.4582

Square

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



23.6595, 23.7313, 44.9286



28.4925, 23.7313, 22.8520



21.4871, 23.7313, 13.1067



17.5071, 23.7313, 29.0763

Rectangle

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



23.6595, 23.7313, 44.9286



27.8154, 23.7313, 34.3376



21.4871, 23.7313, 13.1067



18.0051, 23.7313, 18.8734

Sweetspot

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



23.6603, 23.7322, 44.9292



63.5307, 66.3085, 83.9457



29.4041, 37.7648, 38.9980



13.4609, 14.0300, 18.1429



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.



23.6603, 23.7322, 44.9292



36.9269, 36.1840, 79.5333



23.5038, 20.6437, 44.3412



8.2202, 8.5866, 10.7305



6.5358, 3.8720, 30.5399



0.2547, 0.2200, 0.9773

Inverse Universe

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



28.7271, 23.7640, 25.2640



47.5822, 36.7371, 38.0693



34.2435, 40.6217, 22.8665



8.5863, 8.5413, 9.3201



13.5336, 6.9310, 2.7041



0.4506, 0.2280, 0.2155

Previews

White Background



This preview shows how the XYZ color 23.6595, 23.7313, 44.9286 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 23.6595, 23.7313, 44.9286 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

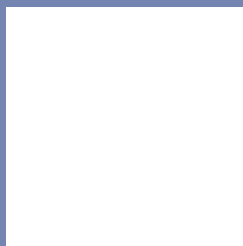
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 23.6595, 23.7313, 44.9286

Background



This preview shows how black text looks on a background with the XYZ color 23.6595, 23.7313, 44.9286.



This preview shows how white text looks on a background with the XYZ color 23.6595, 23.7313,

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

23.6595, 23.7313, 44.9286

Protanopia

23.9729, 23.7021, 44.3857

Deuteranopia

24.0782, 23.5445, 44.8705



Tritanopia

21.0688, 23.7264, 31.9030

Trichromacy



Original Color

23.6595, 23.7313, 44.9286

Protanomaly

23.8335, 23.6302, 44.3792

Deuteranomaly

23.9328, 23.6699, 44.9023

Tritanomaly

21.8722, 23.6222, 36.2076

Monochromacy



Original Color

23.6595, 23.7313, 44.9286

Achromatopsia

22.2940, 23.4551, 25.5426

Achromatomaly

22.5647, 23.4570, 31.7721

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.6595, 23.7313, 44.9286 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(117, 133, 177)` looks like.

```
.text, #text, p{  
    color:rgb(117, 133, 177)  
}
```

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(117, 133, 177) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(117, 133, 177) }
```

Border

The CSS property to change the border of an element to XYZ 23.6595, 23.7313, 44.9286 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(117, 133, 177) }
```


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

```
.border{ border-color:rgb(117, 133, 177) }
```

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

Here you see how a box with a 4 pixel `rgb(117, 133, 177)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(117, 133, 177); -webkit-box-  
shadow:4px 4px 4px 4px rgb(117, 133, 177);  
box-shadow:4px 4px 4px 4px rgb(117, 133,  
177) }
```

Background

The CSS property to change the background color of an element to XYZ 23.6595, 23.7313, 44.9286 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(117, 133, 177) }
```

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

```
.background{ background-color: rgb(117,  
133, 177) }
```

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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