

Converting Colors

XYZ(23.8156, 25.6480, 43.0678)

Have a look what the booklet for
XYZ(23.8156, 25.6480, 43.0678)
contains.

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Color

**XYZ(23.7498, 25.5116,
43.2077)**

Conversions

Conversions Part 1

Format	Color
Hex	708DAD
RGB	112, 141, 173
RGB Percent	44%, 55%, 68%
CMY	0.5608, 0.4470, 0.3216
CMYK	0.35, 0.18, 0.00, 0.32
HSL	211°, 27%, 56%
HSV	211°, 35%, 68%
XYZ	23.7498, 25.5116, 43.2077
YIQ	135.9770, -27.5560, 3.8040

Conversions

Conversions Part 2

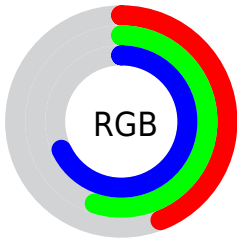
Format	Color
RYB	112, 132, 173
Decimal	7376301
CIELab	57.57, -2.19, -20.12
CIElCh	58, 20.243, 263.798
Yxy	25.5116, 0.2568, 0.2759
Android (android.graphics.Color)	4285566381 (0xFF708DAD)
YUV	135.9770, 18.2523, -21.0278
Hunter-Lab	50.5090, -4.4584, -15.3631

Details

The XYZ color **23.7498, 25.5116, 43.2077** is a dark color, and the websafe version is hex **6699CC**. A complement of this color would be **30.1320, 30.0012, 19.5327**, and the grayscale version is **23.3350, 24.5503, 26.7352**.

A 20% lighter version of the original color is **49.1750, 52.6867, 81.7065**, and **9.1167, 9.8547, 19.5108** is the 20% darker color. If you saturate the color by 10%, you get **20.4728, 21.9170, 42.6870**, and if you desaturate by 10%, it is **27.5610, 29.5456, 43.7859**.

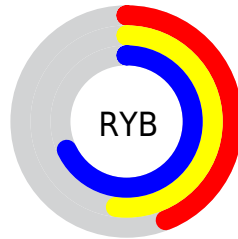
Distribution



Red (44%)

Green (55%)

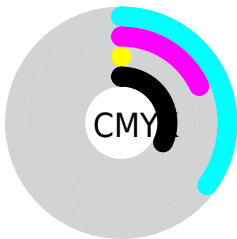
Blue (68%)



Red (44%)

Yellow (52%)

Blue (68%)

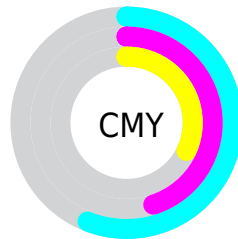


Cyan (35%)

Magenta (18%)

Yellow (0%)

Black (32%)



Cyan (56%)

Magenta (45%)

Yellow (32%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.7498, 25.5116, 43.2077 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 23.7498, 25.5116, 43.2077 by changing the saturation by 10% instead.

■ 23.7498, 25.5116,
43.2077

■ 23.7498, 25.5116,
43.2077

264.0171,
280.3762, 375.4115

■ 15.2719, 16.4586,
29.7155

■ 49.0793, 52.4860,
81.3139

■ 9.0980, 9.8493,
19.3725

■ 66.6615, 71.1762,
106.7650

■ 4.8628, 5.2991,
11.7602

■ 88.0092, 93.8476,
137.0395

■ 2.2009, 2.4238,
6.4601

■ 113.4877,
120.8845, 172.5559

■ 0.7432, 0.8381,
3.0535

143.4624,
152.6715, 213.7328

■ 0.0000, 0.0000,
1.1220

178.2986,

■ 0.0000, 0.0000,

189.5928, 260.9886

0.0000

218.3617,
232.0330, 314.7420

■ 23.7498, 25.5116,
43.2077

■ 23.7498, 25.5116,
43.2077

■ 20.4728, 21.9170,
42.6870

■ 27.5610, 29.5456,
43.7859

■ 17.7007, 18.7410,
42.2201

■ 31.9290, 34.0325,
44.4218

■ 15.4047, 15.9653,
41.8054

■ 36.8776, 38.9891,
45.1176

■ 13.5521, 13.5689,
41.4405

■ 42.4289, 44.4299,
45.8753

■ 12.1051, 11.5279,
41.1228

■ 48.6034, 50.3692,
46.6962

■ 11.0175, 9.8140,
40.8493

■ 55.4208, 56.8203,
47.5821

■ 10.5789, 9.0892,
40.7325

■ 62.9000, 63.7962,
48.5344

■ 71.0588, 71.3092,
49.5545

■ 75.0852, 76.8818,
50.4179

Harmonies

Analogous

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



21.6074, 25.5116, 39.9508



23.7498, 25.5116, 43.2077



26.1705, 25.5116, 41.8095

Triad

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



23.7498, 25.5116, 43.2077



28.7499, 25.5116, 22.7495



20.6905, 25.5116, 20.6400

Complementary

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



23.7498, 25.5116, 43.2077



30.1320, 30.0012, 19.5327

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.



22.4221, 25.5116, 17.2998



23.7498, 25.5116, 43.2077



27.0954, 25.5116, 18.3688

Square

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



23.7498, 25.5116, 43.2077



29.1637, 25.5116, 29.2394



24.7531, 25.5116, 16.5432



19.9183, 25.5116, 26.3657

Rectangle

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



23.7498, 25.5116, 43.2077



27.6061, 25.5116, 38.5251



24.7531, 25.5116, 16.5432



21.1739, 25.5116, 19.2420

Sweetspot

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



23.7506, 25.5126, 43.2083



60.6590, 64.4569, 80.0501



26.6235, 35.3314, 31.6095



12.9369, 13.7610, 17.3620



82.5889, 86.8899, 94.6231



15.4596, 16.2647, 17.7123

Same Dimension

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



23.7506, 25.5126, 43.2083



38.0602, 40.8055, 76.6760



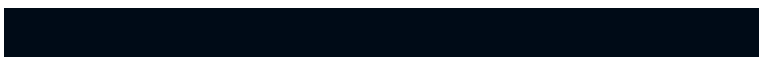
20.1500, 18.1181, 41.9708



7.8812, 8.3617, 10.1513



7.8282, 6.7903, 29.9426



0.2728, 0.2990, 0.8513

Inverse Universe

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



27.8362, 22.3965, 28.0561



46.6013, 35.0106, 44.8380



34.8784, 39.8263, 21.1790



8.1578, 8.0764, 9.1419



13.8150, 6.9885, 6.6711



0.4121, 0.2055, 0.3319

Previews

White Background



This preview shows how the XYZ color 23.7498, 25.5116, 43.2077 looks on a white background.

Color Contrast Check

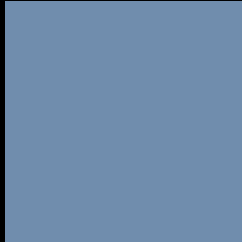
Large Text (above 18pt) WCAG AA ✓ Pass

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 23.7498, 25.5116, 43.2077 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

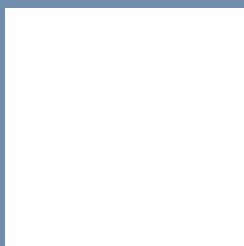
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 23.7498, 25.5116, 43.2077

Background



This preview shows how black text looks on a background with the XYZ color 23.7498, 25.5116, 43.2077.

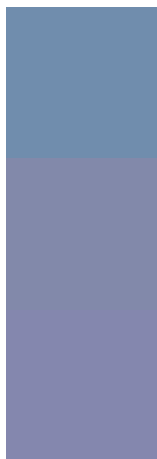


This preview shows how white text looks on a background with the XYZ color 23.7498, 25.5116,

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

23.7498, 25.5116, 43.2077

Protanopia

25.4073, 25.5394, 41.6207

Deuteranopia

25.8197, 25.2895, 43.5649



Tritanopia

22.1584, 25.5350, 35.2134

Trichromacy



Original Color

23.7498, 25.5116, 43.2077

Protanomaly

24.6075, 25.3282, 42.1199

Deuteranomaly

25.0431, 25.3073, 43.6093

Tritanomaly

22.6507, 25.5048, 37.9115

Monochromacy



Original Color

23.7498, 25.5116, 43.2077

Achromatopsia

23.4014, 24.6201, 26.8113

Achromatomaly

23.2657, 24.8589, 32.0058

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.7498, 25.5116, 43.2077 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(112, 141, 173)` looks like.

```
.text, #text, p{  
    color:rgb(112, 141, 173)  
}
```

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(112, 141, 173) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(112, 141, 173) }
```

Border

The CSS property to change the border of an element to XYZ 23.7498, 25.5116, 43.2077 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(112, 141, 173) }
```


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

```
.border{ border-color:rgb(112, 141, 173) }
```

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

Here you see how a box with a 4 pixel `rgb(112, 141, 173)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(112, 141, 173); -webkit-box-  
shadow:4px 4px 4px 4px rgb(112, 141, 173);  
box-shadow:4px 4px 4px 4px rgb(112, 141,  
173) }
```

Background

The CSS property to change the background color of an element to XYZ 23.7498, 25.5116, 43.2077 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(112, 141, 173) }
```

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

```
.background{ background-color: rgb(112,  
141, 173) }
```

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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