

Converting Colors

XYZ(23.2997, 23.6677, 42.6515)

Have a look what the booklet for
XYZ(23.2997, 23.6677, 42.6515)
contains.

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Color

**XYZ(23.2665, 23.5741,
42.8591)**

Conversions

Conversions Part 1

Format	Color
Hex	7585AD
RGB	117, 133, 173
RGB Percent	46%, 52%, 68%
CMY	0.5412, 0.4784, 0.3216
CMYK	0.32, 0.23, 0.00, 0.32
HSL	223°, 25%, 57%
HSV	223°, 32%, 68%
XYZ	23.2665, 23.5741, 42.8591
YIQ	132.7760, -22.3760, 9.0480

Conversions

Conversions Part 2

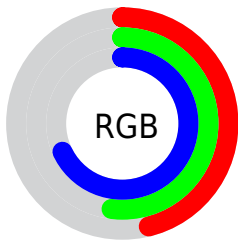
Format	Color
R_{YB}	117, 129, 173
Decimal	7701933
CIE Lab	55.66, 3.90, -23.02
CIE LCh	56, 23.353, 279.619
Yxy	23.5741, 0.2594, 0.2628
Android (android.graphics.Color)	4285892013 (0xFF7585AD)
YUV	132.7760, 19.8304, -13.8356
Hunter-Lab	48.5532, 0.5685, -18.3496

Details

The XYZ color **23.2665, 23.5741, 42.8591** is a dark color, and the websafe version is hex **9999CC**. A complement of this color would be **32.5019, 34.2830, 21.7347**, and the grayscale version is **22.1496, 23.3031, 25.3771**.

A 20% lighter version of the original color is **48.2793, 49.3210, 81.1041**, and **8.8683, 8.8794, 19.3356** is the 20% darker color. If you saturate the color by 10%, you get **19.5600, 19.2983, 42.2296**, and if you desaturate by 10%, it is **27.6032, 28.4713, 43.5762**.

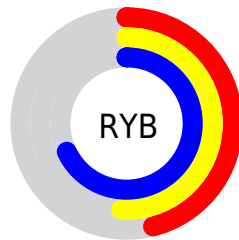
Distribution



Red (46%)

Green (52%)

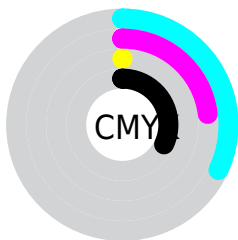
Blue (68%)



Red (46%)

Yellow (51%)

Blue (68%)

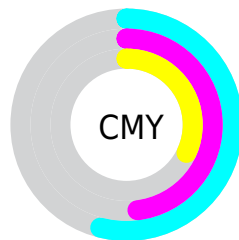


Cyan (32%)

Magenta (23%)

Yellow (0%)

Black (32%)



Cyan (54%)

Magenta (48%)

Yellow (32%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.2665, 23.5741, 42.8591 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 23.2665, 23.5741, 42.8591 by changing the saturation by 10% instead.

■ 23.2665, 23.5741,
42.8591

■ 23.2665, 23.5741,
42.8591

261.6007,
270.6601, 373.9362

■ 14.9122, 15.0180,
29.4440

■ 48.2940, 49.3343,
80.7823

■ 8.8437, 8.8320,
19.1685

■ 65.6979, 67.3072,
106.1274

■ 4.6957, 4.6318,
11.6140

■ 86.8490, 89.1878,
136.2863

■ 2.1027, 2.0329,
6.3621

112.1127,
115.3604, 171.6775

■ 0.6907, 0.6265,
2.9942

141.8544,
146.2096, 212.7196

■ 0.0000, 0.0000,
1.0917

176.4394,

■ 0.0000, 0.0000,

182.1197, 259.8310

0.0000

216.2330,
223.4751, 313.4304

■ 23.2665, 23.5741,
42.8591

■ 23.2665, 23.5741,
42.8591

■ 19.5600, 19.2983,
42.2296

■ 27.6032, 28.4713,
43.5762

■ 16.4507, 15.6152,
41.6825

■ 32.5962, 34.0115,
44.3824

■ 13.9063, 12.4977,
41.2149

■ 38.2729, 40.2186,
45.2813

■ 11.8899, 9.9155,
40.8227

■ 44.6583, 47.1144,
46.2758

■ 10.3602, 7.8349,
40.5018

■ 51.7764, 54.7197,
47.3686

■ 9.2687, 6.2178,
40.2472

■ 59.6498, 63.0544,
48.5624

■ 8.6593, 5.2499,
40.0925

■ 68.3002, 72.1377,
49.8597

■ 77.5999, 81.9112,
51.2560

■ 81.1987, 89.1088,
52.4556

Harmonies

Analogous

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



20.6828, 23.5741, 41.8724



23.2665, 23.5741, 42.8591



25.8061, 23.5741, 38.5916

Triad

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



23.2665, 23.5741, 42.8591



26.5537, 23.5741, 17.4604



17.9721, 23.5741, 20.9256

Complementary

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



23.2665, 23.5741, 42.8591



32.5019, 34.2830, 21.7347

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.



19.3194, 23.5741, 16.0096



23.2665, 23.5741, 42.8591



24.2234, 23.5741, 14.2989

Square

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



23.2665, 23.5741, 42.8591



27.8000, 23.5741, 23.3120



21.5679, 23.5741, 13.8259



17.7599, 23.5741, 28.1780

Rectangle

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



23.2665, 23.5741, 42.8591



27.0830, 23.5741, 33.7554



21.5679, 23.5741, 13.8259



18.3019, 23.5741, 18.9883

Sweetspot

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



23.2673, 23.5750, 42.8596



60.5017, 63.2477, 79.8250



28.2980, 36.0767, 37.0140



12.8614, 13.4298, 17.3020



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.



23.2673, 23.5750, 42.8596



36.7072, 36.5137, 75.9189



22.8371, 20.3453, 42.2589



7.7583, 8.1161, 10.1103



6.4047, 3.9433, 29.4681



0.2253, 0.2040, 0.8355

Inverse Universe

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



27.8292, 23.3011, 25.2220



46.3055, 36.3743, 38.7111



33.0147, 38.8324, 22.5858



8.0958, 8.0516, 8.8155



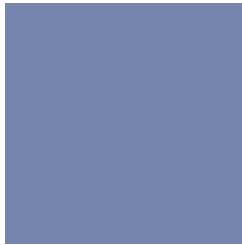
13.0965, 6.7011, 2.8874



0.3881, 0.1959, 0.2057

Previews

White Background



This preview shows how the XYZ color 23.2665, 23.5741, 42.8591 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 23.2665, 23.5741, 42.8591 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

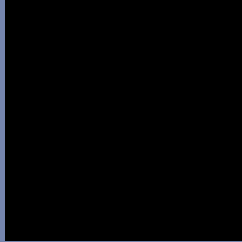
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

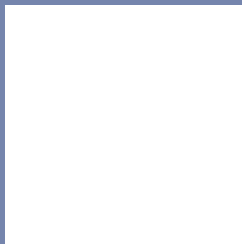
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 23.2665, 23.5741, 42.8591

Background



This preview shows how black text looks on a background with the XYZ color 23.2665, 23.5741, 42.8591.

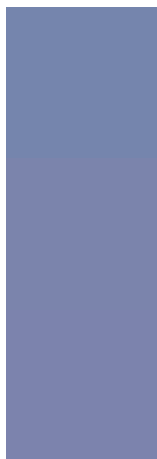


This preview shows how white text looks on a background with the XYZ color 23.2665, 23.5741,

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

23.2665, 23.5741, 42.8591

Protanopia

23.8660, 23.6920, 42.3449

Deuteranopia

23.9713, 23.5348, 42.8144



Tritanopia

20.9730, 23.4742, 31.4425

Trichromacy



Original Color

23.2665, 23.5741, 42.8591

Protanomaly

23.5828, 23.5460, 42.3316

Deuteranomaly

23.6792, 23.5846, 42.8394

Tritanomaly

21.8294, 23.6200, 35.3069

Monochromacy



Original Color

23.2665, 23.5741, 42.8591

Achromatopsia

22.2940, 23.4551, 25.5426

Achromatomaly

22.4852, 23.4252, 31.3534

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.2665, 23.5741, 42.8591 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, 173)` looks like.

```
.text, #text, p{  
    color:rgb(117, 133, 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(117, 133, 173) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(117, 133, 173) }
```

Border

The CSS property to change the border of an element to XYZ 23.2665, 23.5741, 42.8591 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, 173) }
```


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

```
.border{ border-color:rgb(117, 133, 173) }
```

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, 173)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(117, 133, 173); -webkit-box-  
shadow:4px 4px 4px 4px rgb(117, 133, 173);  
box-shadow:4px 4px 4px 4px rgb(117, 133,  
173) }
```

Background

The CSS property to change the background color of an element to XYZ 23.2665, 23.5741, 42.8591 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, 173) }
```

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

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