

Converting Colors

XYZ(23.7370, 21.3188, 76.2627)

Have a look what the booklet for
XYZ(23.7370, 21.3188, 76.2627)
contains.

XYZ(23.7370, 21.3188, 76.2627)	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(23.7370, 21.3188,
76.2627)**

Conversions

Conversions Part 1

Format	Color
Hex	467CE4
RGB	70, 124, 228
RGB Percent	27%, 49%, 89%
CMY	0.7255, 0.5137, 0.1059
CMYK	0.69, 0.46, 0.00, 0.11
HSL	219°, 75%, 58%
HSV	219°, 69%, 89%
XYZ	23.7370, 21.3188, 76.2627
YIQ	119.7100, -65.5680, 20.8960

Conversions

Conversions Part 2

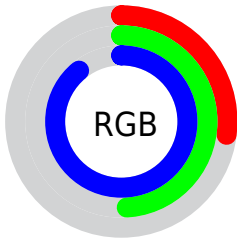
Format	Color
R _Y B	70, 110, 228
Decimal	4619492
CIE Lab	53.30, 16.18, -58.14
CIE LCh	53, 60.347, 285.550
Yxy	21.3188, 0.1957, 0.1757
Android (android.graphics.Color)	4282809572 (0xFF467CE4)
YUV	119.7100, 53.3870, -43.5957
Hunter-Lab	46.1723, 10.9647, -65.6086

Details

The XYZ color **23.7370, 21.3188, 76.2627** is a dark color, and the websafe version is hex **3366CC**. The color can be described as middle muted azure. A complement of this color would be **48.2388, 47.2122, 12.3663**, and the grayscale version is **17.6115, 18.5286, 20.1777**.

A 20% lighter version of the original color is **43.5670, 43.4216, 100.6927**, and **10.0308, 8.1474, 40.0737** is the 20% darker color. If you saturate the color by 10%, you get **20.6535, 17.1465, 75.6204**, and if you desaturate by 10%, it is **27.7326, 26.3867, 77.0308**.

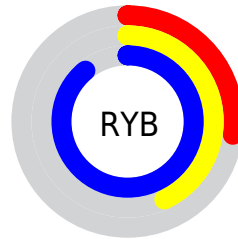
Distribution



Red (27%)

Green (49%)

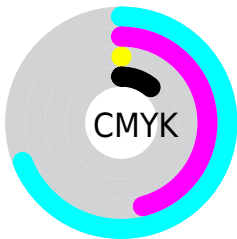
Blue (89%)



Red (27%)

Yellow (43%)

Blue (89%)

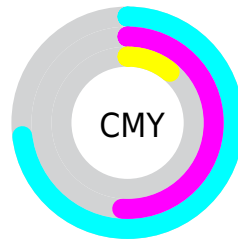


Cyan (69%)

Magenta (46%)

Yellow (0%)

Black (11%)



Cyan (73%)

Magenta (51%)

Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.7370, 21.3188, 76.2627 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 23.7370, 21.3188, 76.2627 by changing the saturation by 10% instead.

■ 23.7370, 21.3188,
76.2627

■ 23.7370, 21.3188,
76.2627

263.9534,
258.9679, 501.6172

■ 15.2623, 13.3572,
56.1400

■ 49.0585, 45.6175,
129.8617

■ 9.0912, 7.6750,
39.9104

■ 66.6360, 62.7234,
164.1750

■ 4.8583, 3.8877,
27.1555

■ 87.9785, 83.6463,
204.0557

■ 2.1983, 1.6109,
17.4565

■ 113.4514,
108.7704, 249.9221

■ 0.7418, 0.3650,
10.3951

143.4199,
138.4803, 302.1930

■ 0.0000, 0.0000,
5.5527

178.2495,

■ 0.0000, 0.0000,

173.1602, 361.2868

2.5107

218.3056,
213.1946, 427.6220

■ 0.0000, 0.0000,
0.8458

■ 0.0000, 0.0000,
0.0000

■ 23.7370, 21.3188,
76.2627

■ 23.7370, 21.3188,
76.2627

■ 20.6535, 17.1465,
75.6204

■ 27.7326, 26.3867,
77.0308

■ 18.3915, 13.8033,
75.0943

■ 32.7129, 32.4049,
77.9299

■ 16.8181, 11.2003,
74.6748

■ 38.7457, 39.4255,
78.9671

■ 16.7221, 11.0383,
74.6486

■ 45.8917, 47.4958,
80.1482

■ 54.2066, 56.6598,
81.4788

■ 63.7424, 66.9588,
82.9641

■ 74.5478, 78.4319,
84.6091

■ 86.6686, 91.1162,
86.4186

■ 91.0037, 98.3815,
87.5924

Harmonies

Analogous

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



17.3502, 21.3188, 76.6500



23.7370, 21.3188, 76.2627



30.3557, 21.3188, 57.5837

Triad

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



23.7370, 21.3188, 76.2627



30.1377, 21.3188, 6.0687



10.5448, 21.3188, 15.4955

Complementary

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



23.7370, 21.3188, 76.2627



48.2388, 47.2122, 12.3663

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.



12.6991, 21.3188, 6.2662



23.7370, 21.3188, 76.2627



23.4846, 21.3188, 3.0951

Square

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



23.7370, 21.3188, 76.2627



34.5474, 21.3188, 15.0021



17.1454, 21.3188, 3.1410



10.5844, 21.3188, 33.9767

Rectangle

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



23.7370, 21.3188, 76.2627



33.6256, 21.3188, 41.0262



17.1454, 21.3188, 3.1410



11.0128, 21.3188, 11.4858

Sweetspot

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



23.7379, 21.3194, 76.2633



67.7862, 70.7552, 104.6921



37.7843, 59.7953, 48.9353



13.8555, 14.4270, 22.3044



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



23.7379, 21.3194, 76.2633



25.2694, 20.1580, 97.1668



20.7807, 12.3473, 74.6873



13.9835, 14.6883, 18.2425



9.7549, 6.5720, 43.1375



0.8047, 0.6533, 3.2157

Inverse Universe

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



37.8240, 22.3309, 21.3858



45.2504, 24.2668, 18.7241



53.8341, 68.8096, 16.2402



14.5792, 14.4489, 15.9847



19.3173, 9.8612, 5.3001



1.4698, 0.7456, 0.6145

Previews

White Background



This preview shows how the XYZ color 23.7370, 21.3188, 76.2627 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 23.7370, 21.3188, 76.2627 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

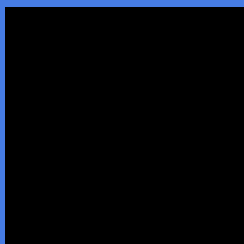
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

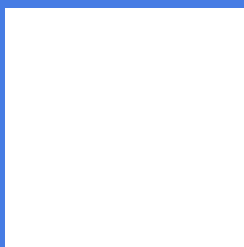
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 23.7370, 21.3188, 76.2627

Background



This preview shows how black text looks on a background with the XYZ color 23.7370, 21.3188, 76.2627.



This preview shows how white text looks on a background with the XYZ color 23.7370, 21.3188,

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

23.7370, 21.3188, 76.2627

Protanopia

24.0087, 21.2897, 75.5170

Deuteranopia

22.1163, 21.4532, 75.6483



Tritanopia

15.1924, 21.3168, 33.0196

Trichromacy



Original Color

23.7370, 21.3188, 76.2627

Protanomaly

23.7721, 21.1678, 75.5059

Deuteranomaly

22.3690, 21.1962, 75.5854

Tritanomaly

17.3031, 20.8299, 46.2886

Monochromacy



Original Color

23.7370, 21.3188, 76.2627

Achromatopsia

17.8524, 18.7821, 20.4537

Achromatomaly

18.5749, 19.0027, 35.4898

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.7370, 21.3188, 76.2627 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(70, 124, 228)` looks like.

```
.text, #text, p{  
    color:rgb(70, 124, 228)  
}
```

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(70, 124, 228) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(70, 124, 228) }
```

Border

The CSS property to change the border of an element to XYZ 23.7370, 21.3188, 76.2627 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(70, 124, 228) }
```


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

```
.border{ border-color:rgb(70, 124, 228) }
```

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

Here you see how a box with a 4 pixel `rgb(70, 124, 228)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(70, 124, 228); -webkit-box-  
shadow:4px 4px 4px 4px rgb(70, 124, 228);  
box-shadow:4px 4px 4px 4px rgb(70, 124,  
228) }
```

Background

The CSS property to change the background color of an element to XYZ 23.7370, 21.3188, 76.2627 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(70, 124, 228) }
```

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

```
.background{ background-color: rgb(70, 124,  
228) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor