

Converting Colors

XYZ(23.8221, 23.7166, 77.4509)

Have a look what the booklet for
XYZ(23.8221, 23.7166, 77.4509)
contains.

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Color

**XYZ(23.8221, 23.7166,
77.4509)**

Conversions

Conversions Part 1

Format	Color
Hex	2888E5
RGB	40, 136, 229
RGB Percent	16%, 53%, 90%
CMY	0.8431, 0.4667, 0.1020
CMYK	0.83, 0.41, 0.00, 0.10
HSL	210°, 78%, 53%
HSV	210°, 83%, 90%
XYZ	23.8221, 23.7166, 77.4509
YIQ	117.8980, -87.0690, 8.5710

Conversions

Conversions Part 2

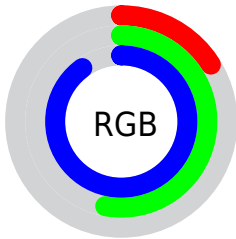
Format	Color
R_{YB}	40, 104, 229
Decimal	2656485
CIE _{Lab}	55.80, 5.75, -54.73
CIE _{LCh}	56, 55.036, 275.998
Yxy	23.7166, 0.1906, 0.1897
Android (android.graphics.Color)	4280846565 (0xFF2888E5)
YUV	117.8980, 54.7733, -68.3165
Hunter-Lab	48.6997, 2.0912, -60.2037

Details

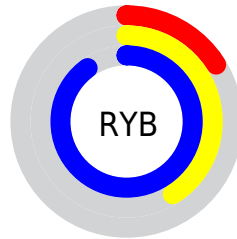
The XYZ color **23.8221, 23.7166, 77.4509** is a dark color, and the websafe version is hex **3399FF**. The color can be described as middle washed azure. A complement of this color would be **41.0868, 33.5917, 6.3275**, and the grayscale version is **17.0438, 17.9314, 19.5273**.

A 20% lighter version of the original color is **43.5837, 47.3971, 101.4592**, and **10.9510, 9.8335, 40.8560** is the 20% darker color. If you saturate the color by 10%, you get **21.6760, 20.3769, 76.9199**, and if you desaturate by 10%, it is **26.6635, 27.6629, 78.0634**.

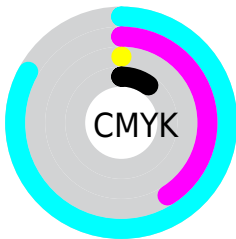
Distribution



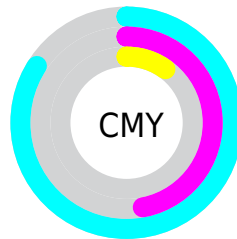
- Red (16%)
- Green (53%)
- Blue (90%)



- Red (16%)
- Yellow (41%)
- Blue (90%)



- Cyan (83%)
- Magenta (41%)
- Yellow (0%)
- Black (10%)



- Cyan (84%)
- Magenta (47%)
- Yellow (10%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.8221, 23.7166, 77.4509 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 23.8221, 23.7166, 77.4509 by changing the saturation by 10% instead.

■ 23.8221, 23.7166,
77.4509

■ 23.8221, 23.7166,
77.4509

264.3770,
271.3846, 505.7784

■ 15.3257, 15.1235,
57.1093

■ 49.1965, 49.5673,
131.5546

■ 9.1361, 8.9061,
40.6830

■ 66.8053, 67.5938,
166.1537

■ 4.8879, 4.6800,
27.7537

■ 88.1822, 89.5335,
206.3424

■ 2.2157, 2.0608,
17.9026

■ 113.6927,
115.7708, 252.5392

■ 0.7510, 0.6424,
10.7114

■ 143.7021,
146.6902, 305.1627

■ 0.0000, 0.0000,
5.7614

178.5757,

■ 0.0000, 0.0000,

182.6760, 364.6314

2.6341

218.6789,
224.1127, 431.3638

■ 0.0000, 0.0000,
0.9100

■ 0.0000, 0.0000,
0.0000

■ 23.8221, 23.7166,
77.4509

■ 23.8221, 23.7166,
77.4509

■ 21.6760, 20.3769,
76.9199

■ 26.6635, 27.6629,
78.0634

■ 20.4238, 18.2189,
76.5694

■ 30.2832, 32.2653,
78.7610

■ 34.7541, 37.5686,
79.5490

■ 40.1391, 43.6118,
80.4316

■ 46.4946, 50.4305,
81.4128

■ 53.8722, 58.0576,
82.4961

■ 62.3194, 66.5237,
83.6850

■ 71.8809, 75.8576,
84.9827

■ 82.5985, 86.0866,
86.3922

Harmonies

Analogous

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



17.9956, 23.7166, 71.7934



23.8221, 23.7166, 77.4509



30.3746, 23.7166, 64.9099

Triad

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



23.8221, 23.7166, 77.4509



33.7379, 23.7166, 10.4092



13.2441, 23.7166, 14.1949

Complementary

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



23.8221, 23.7166, 77.4509



41.0868, 33.5917, 6.3275

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.



16.1867, 23.7166, 6.7800



23.8221, 23.7166, 77.4509



27.7958, 23.7166, 5.4088

Square

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



23.8221, 23.7166, 77.4509



36.7415, 23.7166, 22.3889



21.3084, 23.7166, 4.4834



12.5726, 23.7166, 29.5922

Rectangle

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



23.8221, 23.7166, 77.4509



34.0534, 23.7166, 50.2679



21.3084, 23.7166, 4.4834



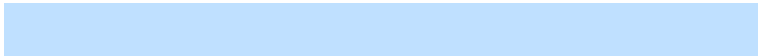
13.9699, 23.7166, 10.9550

Sweetspot

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



23.8231, 23.7173, 77.4515



66.1546, 71.4404, 104.9104



33.0165, 58.1390, 31.0828



13.4415, 14.5501, 22.3499



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.



23.8231, 23.7173, 77.4515



26.1669, 23.4065, 97.7465



15.8888, 7.8488, 74.8068



14.1849, 15.0912, 18.3096



11.7981, 10.6584, 43.8186



0.9648, 0.9735, 3.2690

Inverse Universe

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



37.5168, 19.9546, 25.1672



45.3486, 22.9477, 23.4292



59.8525, 71.1232, 12.5828



14.6809, 14.4896, 16.5201



20.3487, 10.2737, 10.7310



1.5506, 0.7780, 1.0400

Previews

White Background



This preview shows how the XYZ color 23.8221, 23.7166, 77.4509 looks on a white background.

Color Contrast Check

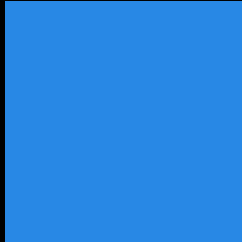
Large Text (above 18pt) WCAG AA ✓ Pass

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 23.8221, 23.7166, 77.4509 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

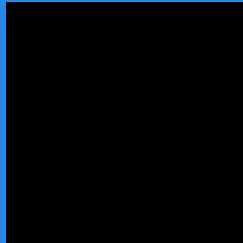
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

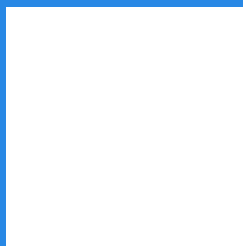
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 23.8221, 23.7166, 77.4509

Background



This preview shows how black text looks on a background with the XYZ color 23.8221, 23.7166, 77.4509.



This preview shows how white text looks on a background with the XYZ color 23.8221, 23.7166,

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

23.8221, 23.7166, 77.4509

Protanopia

25.9180, 23.6727, 73.0153

Deuteranopia

24.3553, 23.5772, 77.3959



Tritanopia

16.7615, 23.6484, 36.0289

Trichromacy



Original Color

23.8221, 23.7166, 77.4509

Protanomaly

24.6659, 23.3946, 74.4497

Deuteranomaly

24.1721, 23.6889, 77.4272

Tritanomaly

18.8220, 23.5088, 48.8930

Monochromacy



Original Color

23.8221, 23.7166, 77.4509

Achromatopsia

17.2197, 18.1164, 19.7288

Achromatomaly

17.7216, 19.3095, 35.1408

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.8221, 23.7166, 77.4509 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(40, 136, 229)` looks like.

```
.text, #text, p{  
    color:rgb(40, 136, 229)  
}
```

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(40, 136, 229) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(40, 136, 229) }
```

Border

The CSS property to change the border of an element to XYZ 23.8221, 23.7166, 77.4509 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(40, 136, 229) }
```


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

```
.border{ border-color:rgb(40, 136, 229) }
```

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

Here you see how a box with a 4 pixel `rgb(40, 136, 229)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(40, 136, 229); -webkit-box-  
shadow:4px 4px 4px 4px rgb(40, 136, 229);  
box-shadow:4px 4px 4px 4px rgb(40, 136,  
229) }
```

Background

The CSS property to change the background color of an element to XYZ 23.8221, 23.7166, 77.4509 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(40, 136, 229) }
```

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

```
.background{ background-color: rgb(40, 136,  
229) }
```

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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