

Converting Colors

XYZ(23.1907, 23.8271, 63.6466)

Have a look what the booklet for
XYZ(23.1907, 23.8271, 63.6466)
contains.

XYZ(23.2783, 23.9506, 63.7176)	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(23.2783, 23.9506,
63.7176)**

Conversions

Conversions Part 1

Format	Color
Hex	4A89D1
RGB	74, 137, 209
RGB Percent	29%, 54%, 82%
CMY	0.7098, 0.4627, 0.1804
CMYK	0.65, 0.34, 0.00, 0.18
HSL	212°, 59%, 55%
HSV	212°, 65%, 82%
XYZ	23.2783, 23.9506, 63.7176
YIQ	126.3710, -60.6600, 9.0360

Conversions

Conversions Part 2

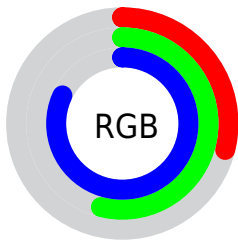
Format	Color
R _Y B	74, 117, 209
Decimal	4884945
CIE Lab	56.04, 2.32, -43.08
CIE LCh	56, 43.146, 273.082
Yxy	23.9506, 0.2098, 0.2159
Android (android.graphics.Color)	4283075025 (0xFF4A89D1)
YUV	126.3710, 40.7361, -45.9294
Hunter-Lab	48.9394, -0.7393, -42.9363

Details

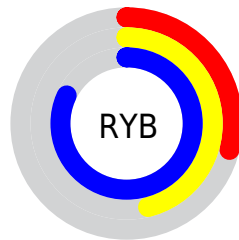
The XYZ color **23.2783, 23.9506, 63.7176** is a dark color, and the websafe version is hex **6699CC**. The color can be described as middle muted azure. A complement of this color would be **37.8109, 34.6097, 11.1674**, and the grayscale version is **19.8388, 20.8720, 22.7296**.

A 20% lighter version of the original color is **46.4551, 49.1978, 101.6554**, and **9.3225, 9.3125, 31.8780** is the 20% darker color. If you saturate the color by 10%, you get **20.4248, 20.2478, 63.1538**, and if you desaturate by 10%, it is **26.8317, 28.2579, 64.3622**.

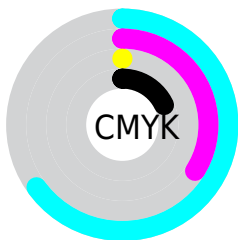
Distribution



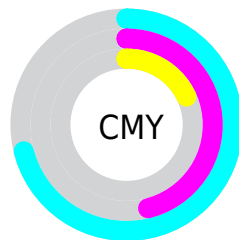
- Red (29%)
- Green (54%)
- Blue (82%)



- Red (29%)
- Yellow (46%)
- Blue (82%)



- Cyan (65%)
- Magenta (34%)
- Yellow (0%)
- Black (18%)



- Cyan (71%)
- Magenta (46%)
- Yellow (18%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.2783, 23.9506, 63.7176 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 23.2783, 23.9506, 63.7176 by changing the saturation by 10% instead.

■ 23.2783, 23.9506,
63.7176

■ 23.2783, 23.9506,
63.7176

261.6599,
272.5706, 456.3486

■ 14.9210, 15.2970,
45.9773

■ 48.3132, 49.9496,
111.7997

■ 8.8499, 9.0281,
31.8793

■ 65.7215, 68.0637,
142.9785

■ 4.6997, 4.7595,
21.0053

■ 86.8774, 90.1002,
179.4739

■ 2.1051, 2.1069,
12.9366

■ 112.1464,
116.4433, 221.7045

■ 0.6920, 0.6685,
7.2547

141.8938,
147.4775, 270.0886

■ 0.0000, 0.0000,
3.5410

176.4849,

■ 0.0000, 0.0000,

183.5872, 325.0450

1.3771

216.2852,
225.1568, 386.9922

■ 0.0000, 0.0000,
0.1238

■ 0.0000, 0.0000,
0.0000

■ 23.2783, 23.9506,
63.7176

■ 23.2783, 23.9506,
63.7176

■ 20.4248, 20.2478,
63.1538

■ 26.8317, 28.2579,
64.3622

■ 18.2083, 17.1087,
62.6647

■ 31.1347, 33.2015,
65.0896

■ 16.5570, 14.4891,
62.2461

■ 36.2353, 38.8130,
65.9039

■ 15.8325, 13.2511,
62.0453

■ 42.1763, 45.1211,
66.8084

■ 48.9975, 52.1525,
67.8061

■ 56.7357, 59.9322,
68.8999

■ 65.4257, 68.4841,
70.0925

■ 75.1003, 77.8308,
71.3867

■ 83.1273, 86.6206,
72.6602

Harmonies

Analogous

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



18.7329, 23.9506, 58.5913



23.2783, 23.9506, 63.7176



28.3468, 23.9506, 56.1205

Triad

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



23.2783, 23.9506, 63.7176



31.6771, 23.9506, 13.8790



15.3081, 23.9506, 15.6081

Complementary

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



23.2783, 23.9506, 63.7176



37.8109, 34.6097, 11.1674

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.



17.9676, 23.9506, 9.2917



23.2783, 23.9506, 63.7176



27.3363, 23.9506, 8.5765

Square

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



23.2783, 23.9506, 63.7176



33.6156, 23.9506, 24.6442



22.2580, 23.9506, 7.2655



14.5426, 23.9506, 27.5666

Rectangle

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



23.2783, 23.9506, 63.7176



31.2251, 23.9506, 46.0459



22.2580, 23.9506, 7.2655



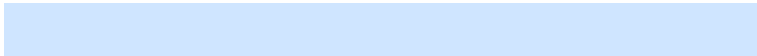
15.9892, 23.9506, 12.9230

Sweetspot

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



23.2792, 23.9514, 63.7182



71.7199, 76.5473, 105.6028



30.8139, 49.1329, 35.0552



14.6980, 15.7091, 22.5074



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.



23.2792, 23.9514, 63.7182



30.4207, 29.5320, 98.7046



17.1416, 11.1432, 61.5695



11.6119, 12.3141, 15.0085



9.8585, 8.3637, 38.2872



0.6303, 0.6258, 2.1671

Inverse Universe

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



33.2594, 20.2602, 25.8252



48.0771, 26.2653, 30.9344



49.0763, 59.0041, 15.2822



12.0350, 11.8987, 13.4602



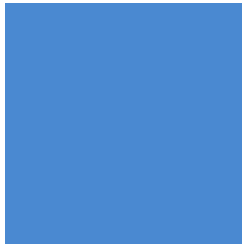
17.6069, 8.9156, 8.1019



1.0244, 0.5145, 0.6632

Previews

White Background



This preview shows how the XYZ color 23.2783, 23.9506, 63.7176 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 23.2783, 23.9506, 63.7176 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

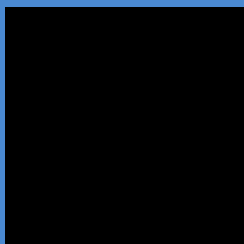
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

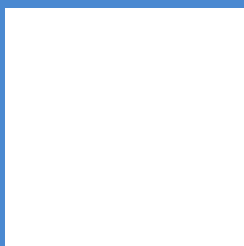
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 23.2783, 23.9506, 63.7176

Background



This preview shows how black text looks on a background with the XYZ color 23.2783, 23.9506, 63.7176.

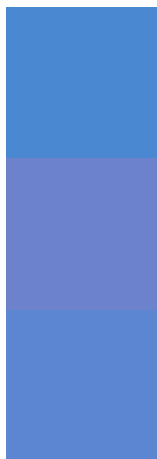


This preview shows how white text looks on a background with the XYZ color 23.2783, 23.9506,

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

23.2783, 23.9506, 63.7176

Protanopia

25.1997, 23.7804, 60.3886

Deuteranopia

24.5716, 23.9786, 64.3060



Tritanopia

17.8184, 23.9515, 36.4849

Trichromacy



Original Color

23.2783, 23.9506, 63.7176

Protanomaly

24.3520, 23.7181, 61.6871

Deuteranomaly

24.0431, 23.9124, 64.3211

Tritanomaly

19.3892, 23.6600, 45.1399

Monochromacy



Original Color

23.2783, 23.9506, 63.7176

Achromatopsia

19.8309, 20.8637, 22.7206

Achromatomaly

20.0468, 21.4914, 34.5442

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.2783, 23.9506, 63.7176 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(74, 137, 209)` looks like.

```
.text, #text, p{  
    color:rgb(74, 137, 209)  
}
```

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(74, 137, 209) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(74, 137, 209) }
```

Border

The CSS property to change the border of an element to XYZ 23.2783, 23.9506, 63.7176 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(74, 137, 209) }
```


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

```
.border{ border-color:rgb(74, 137, 209) }
```

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

Here you see how a box with a 4 pixel `rgb(74, 137, 209)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(74, 137, 209); -webkit-box-  
shadow:4px 4px 4px 4px rgb(74, 137, 209);  
box-shadow:4px 4px 4px 4px rgb(74, 137,  
209) }
```

Background

The CSS property to change the background color of an element to XYZ 23.2783, 23.9506, 63.7176 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(74, 137, 209) }
```

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

```
.background{ background-color: rgb(74, 137,  
209) }
```

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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