

Converting Colors

XYZ(21.0930, 23.4703, 59.4386)

Have a look what the booklet for
XYZ(21.0930, 23.4703, 59.4386)
contains.

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Color

**XYZ(21.1209, 23.5783,
59.3150)**

Conversions

Conversions Part 1

Format	Color
Hex	2D8CCA
RGB	45, 140, 202
RGB Percent	18%, 55%, 79%
CMY	0.8235, 0.4510, 0.2078
CMYK	0.78, 0.31, 0.00, 0.21
HSL	204°, 64%, 48%
HSV	204°, 78%, 79%
XYZ	21.1209, 23.5783, 59.3150
YIQ	118.6630, -76.5220, -0.8580

Conversions

Conversions Part 2

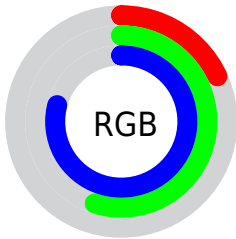
Format	Color
R_{YB}	45, 104, 202
Decimal	2985162
CIE _{Lab}	55.66, -6.04, -39.79
CIE _{LCh}	56, 40.241, 261.364
Yxy	23.5783, 0.2031, 0.2267
Android (android.graphics.Color)	4281175242 (0xFF2D8CCA)
YUV	118.6630, 41.0851, -64.6025
Hunter-Lab	48.5575, -7.3340, -38.4350

Details

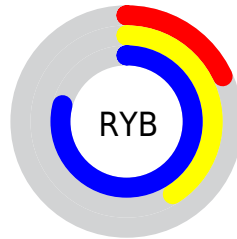
The XYZ color **21.1209, 23.5783, 59.3150** is a dark color, and the websafe version is hex **3399CC**. The color can be described as dark muted azure. A complement of this color would be **30.0901, 23.2639, 5.3883**, and the grayscale version is **17.3214, 18.2235, 19.8454**.

A 20% lighter version of the original color is **44.0594, 48.9373, 101.7314**, and **9.0015, 9.4504, 29.3667** is the 20% darker color. If you saturate the color by 10%, you get **19.3116, 20.9776, 58.9089**, and if you desaturate by 10%, it is **23.4414, 26.5686, 59.7704**.

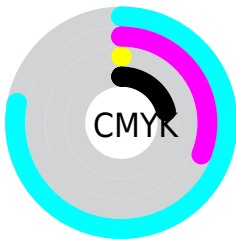
Distribution



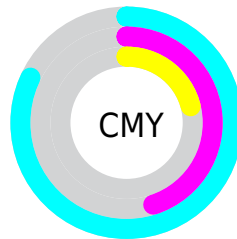
- Red (18%)
- Green (55%)
- Blue (79%)



- Red (18%)
- Yellow (41%)
- Blue (79%)



- Cyan (78%)
- Magenta (31%)
- Yellow (0%)
- Black (21%)



- Cyan (82%)
- Magenta (45%)
- Yellow (21%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.1209, 23.5783, 59.3150 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 21.1209, 23.5783, 59.3150 by changing the saturation by 10% instead.

■ 21.1209, 23.5783,
59.3150

■ 21.1209, 23.5783,
59.3150

250.6399,
270.6815, 439.8026

■ 13.3254, 15.0211,
42.4451

■ 44.7784, 49.3412,
105.3690

■ 7.7315, 8.8342,
29.1218

■ 61.3711, 67.3156,
135.3901

■ 3.9740, 4.6332,
18.9266

■ 81.6269, 89.1979,
170.6320

■ 1.6874, 2.0337,
11.4410

■ 105.9112,
115.3725, 211.5133

■ 0.4484, 0.6269,
6.2464

■ 134.5892,
146.2238, 258.4524

■ 0.0000, 0.0000,
2.9243

168.0265,

■ 0.0000, 0.0000,

182.1361, 311.8680

1.0561

206.5882,
223.4939, 372.1785

■ 0.0000, 0.0000,
0.0000

■ 21.1209, 23.5783,
59.3150

■ 21.1209, 23.5783,
59.3150

■ 19.3116, 20.9776,
58.9089

■ 23.4414, 26.5686,
59.7704

■ 17.9320, 18.7210,
58.5460

■ 26.3258, 29.9773,
60.2763

■ 17.6480, 18.2388,
58.4679

■ 29.8223, 33.8321,
60.8361

■ 33.9730, 38.1571,
61.4521

■ 38.8159, 42.9743,
62.1267

■ 44.3860, 48.3038,
62.8618

■ 50.7156, 54.1648,
63.6595

■ 57.8353, 60.5751,
64.5215

■ 65.7736, 67.5515,
65.4497

Harmonies

Analogous

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



17.3746, 23.5783, 50.6743



21.1209, 23.5783, 59.3150



25.7550, 23.5783, 56.8349

Triad

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



21.1209, 23.5783, 59.3150



31.5969, 23.5783, 17.5761



16.2414, 23.5783, 12.9800

Complementary

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



21.1209, 23.5783, 59.3150



30.0901, 23.2639, 5.3883

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.



19.3688, 23.5783, 8.6814



21.1209, 23.5783, 59.3150



28.3359, 23.5783, 10.6409

Square

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



21.1209, 23.5783, 59.3150



32.2330, 23.5783, 29.6264



23.7515, 23.5783, 8.0014



14.8186, 23.5783, 22.0875

Rectangle

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



21.1209, 23.5783, 59.3150



28.7112, 23.5783, 49.4757



23.7515, 23.5783, 8.0014



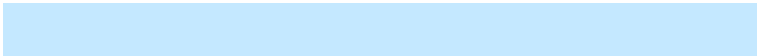
17.1064, 23.5783, 11.0735

Sweetspot

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



21.1218, 23.5791, 59.3156



69.7170, 76.6246, 105.7233



24.7630, 43.8234, 20.5697



14.2071, 15.7104, 22.5336



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.



21.1218, 23.5791, 59.3156



31.1016, 32.9570, 99.3298



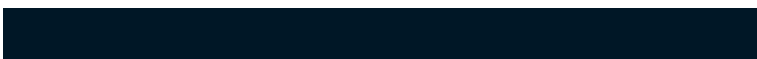
13.5391, 8.4138, 56.7881



11.1570, 11.9544, 14.2898



11.4451, 11.9142, 37.6527



0.6632, 0.7601, 1.9667

Inverse Universe

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



30.0299, 16.3278, 26.3804



47.9172, 24.2731, 36.0367



41.9064, 46.8966, 9.3271



11.4926, 11.3258, 13.1286



17.9879, 9.0057, 12.9207



0.9647, 0.4793, 0.8599

Previews

White Background



This preview shows how the XYZ color 21.1209, 23.5783, 59.3150 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 21.1209, 23.5783, 59.3150 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

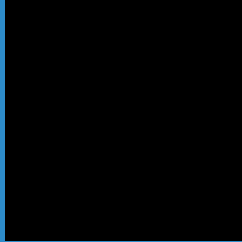
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 21.1209, 23.5783, 59.3150

Background



This preview shows how black text looks on a background with the XYZ color 21.1209, 23.5783, 59.3150.

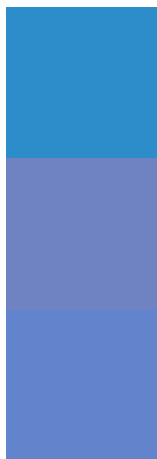


This preview shows how white text looks on a background with the XYZ color 21.1209, 23.5783,

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

21.1209, 23.5783, 59.3150

Protanopia

24.2758, 23.2398, 54.2452

Deuteranopia

24.0801, 23.4035, 60.3749



Tritanopia

16.6917, 23.3706, 36.4321

Trichromacy



Original Color

21.1209, 23.5783, 59.3150

Protanomaly

22.5336, 23.1076, 56.0959

Deuteranomaly

22.5854, 23.2594, 59.7991

Tritanomaly

17.9248, 23.1518, 44.0815

Monochromacy



Original Color

21.1209, 23.5783, 59.3150

Achromatopsia

17.5343, 18.4475, 20.0893

Achromatomaly

17.4278, 19.6240, 31.3030

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.1209, 23.5783, 59.3150 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(45, 140, 202)` looks like.

```
.text, #text, p{  
    color:rgb(45, 140, 202)  
}
```

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(45, 140, 202) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(45, 140, 202) }
```

Border

The CSS property to change the border of an element to XYZ 21.1209, 23.5783, 59.3150 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(45, 140, 202) }
```


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

```
.border{ border-color:rgb(45, 140, 202) }
```

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

Here you see how a box with a 4 pixel `rgb(45, 140, 202)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(45, 140, 202); -webkit-box-  
shadow:4px 4px 4px 4px rgb(45, 140, 202);  
box-shadow:4px 4px 4px 4px rgb(45, 140,  
202) }
```

Background

The CSS property to change the background color of an element to XYZ 21.1209, 23.5783, 59.3150 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(45, 140, 202) }
```

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

```
.background{ background-color: rgb(45, 140,  
202) }
```

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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