

Converting Colors

XYZ(23.2901, 28.4065, 50.3483)

Have a look what the booklet for
XYZ(23.2901, 28.4065, 50.3483)
contains.

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Color

**XYZ(23.2260, 28.3619,
50.1492)**

Conversions

Conversions Part 1

| Format | Color |
|---------------|-----------------------------|
| Hex | 499BB9 |
| RGB | 73, 155, 185 |
| RGB Percent | 29%, 61%, 73% |
| CMY | 0.7137, 0.3921, 0.2745 |
| CMYK | 0.61, 0.16, 0.00, 0.27 |
| HSL | 196°, 44%, 51% |
| HSV | 196°, 61%, 73% |
| XYZ | 23.2260, 28.3619, 50.1492 |
| YIQ | 133.9020, -58.5020, -8.0540 |

Conversions

Conversions Part 2

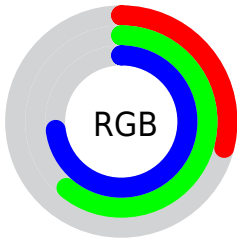
| Format | Color |
|-------------------------------------|--------------------------------|
| R_{YB} | 73, 120, 185 |
| Decimal | 4823993 |
| CIE _{Lab} | 60.21, -15.91, -23.05 |
| CIE _{LCh} | 60, 28.010, 235.376 |
| Yxy | 28.3619, 0.2283, 0.2788 |
| Android (android.graphics.Color) | 4283014073 (0xFF499BB9) |
| YUV | 133.9020, 25.1913, -53.4111 |
| Hunter-Lab | 53.2559, -15.3503, -18.5522 |

Details

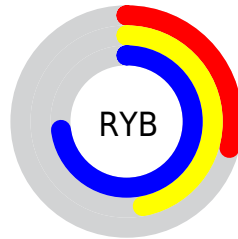
The XYZ color **23.2260, 28.3619, 50.1492** is a dark color, and the websafe version is hex **3399CC**. A complement of this color would be **26.0615, 20.4972, 8.8873**, and the grayscale version is **22.5509, 23.7253, 25.8368**.

A 20% lighter version of the original color is **48.2839, 57.2694, 91.7284**, and **9.1152, 11.5666, 23.5819** is the 20% darker color. If you saturate the color by 10%, you get **21.2195, 26.1288, 49.8244**, and if you desaturate by 10%, it is **25.6850, 30.8797, 50.5061**.

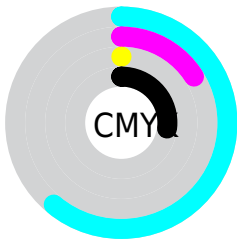
Distribution



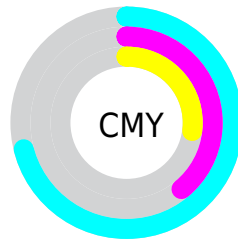
- Red (29%)
- Green (61%)
- Blue (73%)



- Red (29%)
- Yellow (47%)
- Blue (73%)



- Cyan (61%)
- Magenta (16%)
- Yellow (0%)
- Black (27%)



- Cyan (71%)
- Magenta (39%)
- Yellow (27%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.2260, 28.3619, 50.1492 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 23.2260, 28.3619, 50.1492 by changing the saturation by 10% instead.

■ 23.2260, 28.3619,
50.1492

■ 23.2260, 28.3619,
50.1492

261.3974,
294.1922, 404.0009

■ 14.8821, 18.5986,
35.1600

■ 48.2281, 57.0617,
91.7945

■ 8.8224, 11.3806,
23.5016

■ 65.6170, 76.7671,
119.2876

■ 4.6817, 6.3235,
14.7555

■ 86.7515, 100.5552,
151.7857

■ 2.0946, 3.0427,
8.5033

■ 111.9972,
128.8106, 189.7075

■ 0.6863, 1.1541,
4.3263

■ 141.7192,
161.9176, 233.4713

■ 0.0000, 0.0237,
1.8060

176.2830,

■ 0.0000, 0.0000,

200.2606, 283.4958

0.4319

216.0540,
244.2240, 340.1995

■ 0.0000, 0.0000,
0.0000

■ 23.2260, 28.3619,
50.1492

■ 23.2260, 28.3619,
50.1492

■ 21.2195, 26.1288,
49.8244

■ 25.6850, 30.8797,
50.5061

■ 19.6242, 24.1567,
49.5279

■ 28.6278, 33.6972,
50.8948

■ 18.3953, 22.4226,
49.2579

■ 32.0857, 36.8316,
51.3176

■ 17.4834, 20.9556,
49.0228

■ 36.0867, 40.2980,
51.7758

■ 40.6566, 44.1102,
52.2708

■ 45.8196, 48.2812,
52.8037

■ 51.5982, 52.8232,
53.3759

■ 58.0140, 57.7479,
53.9883

■ 65.0874, 63.0662,
54.6420

Harmonies

Analogous

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



21.1946, 28.3619, 40.1412



23.2260, 28.3619, 50.1492



26.4051, 28.3619, 55.0434

Triad

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



23.2260, 28.3619, 50.1492



34.4308, 28.3619, 32.5007



24.1087, 28.3619, 16.2545

Complementary

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



23.2260, 28.3619, 50.1492



26.0615, 20.4972, 8.8873

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.



27.5168, 28.3619, 15.0835



23.2260, 28.3619, 50.1492



33.6795, 28.3619, 23.1676

Square

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



23.2260, 28.3619, 50.1492



33.0389, 28.3619, 43.5156



31.0679, 28.3619, 17.3145



21.6717, 28.3619, 20.9649

Rectangle

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



23.2260, 28.3619, 50.1492



28.8272, 28.3619, 54.1041



31.0679, 28.3619, 17.3145



25.1698, 28.3619, 15.4856

Sweetspot

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



23.2269, 28.3629, 50.1499



66.3757, 73.6491, 92.9219



22.5391, 37.0918, 18.7698



13.8257, 15.4677, 19.9785



88.6918, 93.3107, 101.6153



17.8044, 18.7317, 20.3988

Same Dimension

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



23.2269, 28.3629, 50.1499



36.8773, 45.4522, 89.0341



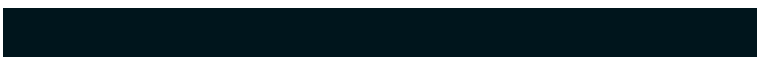
15.9803, 13.8696, 47.7343



9.0577, 9.7926, 11.4922



11.9670, 14.3936, 33.4006



0.4699, 0.6035, 1.1935

Inverse Universe

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



28.3074, 17.4470, 32.8869



47.3142, 26.0639, 52.8894



33.5863, 35.5468, 11.3956



9.2755, 9.1206, 10.7980



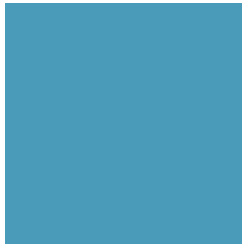
16.6540, 8.2354, 16.5968



0.6114, 0.3000, 0.7128

Previews

White Background



This preview shows how the XYZ color 23.2260, 28.3619, 50.1492 looks on a white background.

Color Contrast Check

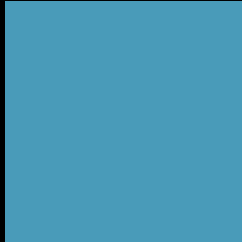
Large Text (above 18pt) WCAG AA ✓ Pass

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 23.2260, 28.3619, 50.1492 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

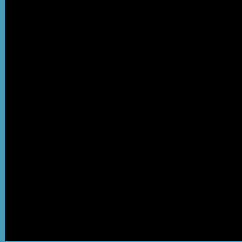
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 23.2260, 28.3619, 50.1492

Background



This preview shows how black text looks on a background with the XYZ color 23.2260, 28.3619, 50.1492.

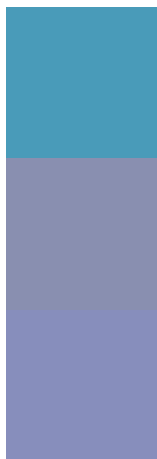


This preview shows how white text looks on a background with the XYZ color 23.2260, 28.3619,

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

23.2260, 28.3619, 50.1492

Protanopia

27.9755, 28.0979, 45.0233

Deuteranopia

28.7418, 28.1277, 51.4913



Tritanopia

21.7293, 28.5142, 42.3888

Trichromacy



Original Color

23.2260, 28.3619, 50.1492

Protanomaly

25.5098, 27.6995, 46.6499

Deuteranomaly

26.0855, 27.9000, 51.0241

Tritanomaly

22.2491, 28.4743, 44.8809

Monochromacy



Original Color

23.2260, 28.3619, 50.1492

Achromatopsia

22.6597, 23.8398, 25.9615

Achromatomaly

22.1049, 25.0907, 33.8149

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.2260, 28.3619, 50.1492 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(73, 155, 185)` looks like.

```
.text, #text, p{  
    color:rgb(73, 155, 185)  
}
```

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(73, 155, 185) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(73, 155, 185) }
```

Border

The CSS property to change the border of an element to XYZ 23.2260, 28.3619, 50.1492 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(73, 155, 185) }
```


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

```
.border{ border-color:rgb(73, 155, 185) }
```

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

Here you see how a box with a 4 pixel `rgb(73, 155, 185)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(73, 155, 185); -webkit-box-  
shadow:4px 4px 4px 4px rgb(73, 155, 185);  
box-shadow:4px 4px 4px 4px rgb(73, 155,  
185) }
```

Background

The CSS property to change the background color of an element to XYZ 23.2260, 28.3619, 50.1492 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(73, 155, 185) }
```

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

```
.background{ background-color: rgb(73, 155,  
185) }
```

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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