

Converting Colors

XYZ(23.6652, 29.4843, 51.2202)

Have a look what the booklet for
XYZ(23.6652, 29.4843, 51.2202)
contains.

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Color

**XYZ(23.7517, 29.6131,
51.4778)**

Conversions

Conversions Part 1

Format	Color
Hex	449FBB
RGB	68, 159, 187
RGB Percent	27%, 62%, 73%
CMY	0.7333, 0.3765, 0.2667
CMYK	0.64, 0.15, 0.00, 0.27
HSL	194°, 47%, 50%
HSV	194°, 64%, 73%
XYZ	23.7517, 29.6131, 51.4778
YIQ	134.9830, -63.2240, -10.5840

Conversions

Conversions Part 2

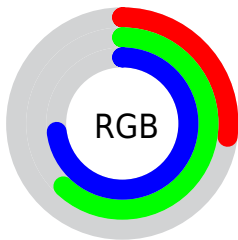
Format	Color
RYB	68, 120, 187
Decimal	4497339
CIELab	61.32, -18.34, -22.50
CIElCh	61, 29.023, 230.819
Yxy	29.6131, 0.2265, 0.2825
Android (android.graphics.Color)	4282687419 (0xFF449FBB)
YUV	134.9830, 25.6444, -58.7441
Hunter-Lab	54.4179, -17.3218, -17.9941

Details

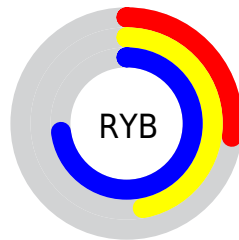
The XYZ color **23.7517, 29.6131, 51.4778** is a dark color, and the websafe version is hex **0099CC**. A complement of this color would be **25.7207, 19.3491, 7.8490**, and the grayscale version is **22.9486, 24.1437, 26.2925**.

A 20% lighter version of the original color is **49.1263, 59.1534, 93.6225**, and **9.5608, 12.2366, 24.4123** is the 20% darker color. If you saturate the color by 10%, you get **21.9065, 27.5591, 51.1791**, and if you desaturate by 10%, it is **26.0417, 31.9376, 51.8063**.

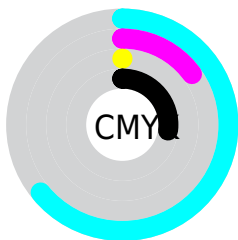
Distribution



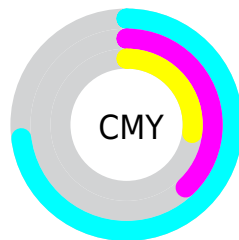
- Red (27%)
- Green (62%)
- Blue (73%)



- Red (27%)
- Yellow (47%)
- Blue (73%)



- Cyan (64%)
- Magenta (15%)
- Yellow (0%)
- Black (27%)



- Cyan (73%)
- Magenta (38%)
- Yellow (27%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.7517, 29.6131, 51.4778 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 23.7517, 29.6131, 51.4778 by changing the saturation by 10% instead.

■ 23.7517, 29.6131,
51.4778

■ 23.7517, 29.6131,
51.4778

■ 264.0266,
300.0968, 409.3167

■ 15.2733, 19.5451,
36.2096

■ 49.0823, 59.0498,
93.7794

■ 9.0990, 12.0648,
24.3052

■ 66.6653, 79.1873,
121.6499

■ 4.8634, 6.7878,
15.3459

■ 88.0137, 103.4500,
154.5582

■ 2.2013, 3.3298,
8.9132

■ 113.4931,
132.2224, 192.9230

■ 0.7434, 1.3062,
4.5885

■ 143.4687,
165.8889, 237.1626

■ 0.0000, 0.1460,
1.9535

178.3059,

■ 0.0000, 0.0000,

204.8339, 287.6958

0.5264

218.3701,
249.4418, 344.9410

■ 0.0000, 0.0000,
0.0000

■ 23.7517, 29.6131,
51.4778

■ 23.7517, 29.6131,
51.4778

■ 21.9065, 27.5591,
51.1791

■ 26.0417, 31.9376,
51.8063

■ 20.4617, 25.7505,
50.9062

■ 28.8095, 34.5482,
52.1644

■ 19.3685, 24.1623,
50.6573

■ 32.0885, 37.4631,
52.5542

■ 18.7923, 23.2331,
50.5083

■ 35.9078, 40.6978,
52.9772

■ 40.2945, 44.2665,
53.4349

■ 45.2737, 48.1827,
53.9283

■ 50.8691, 52.4588,
54.4588

■ 57.1029, 57.1067,
55.0274

■ 63.9962, 62.1377,
55.6351

Harmonies

Analogous

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



21.8175, 29.6131, 40.3228



23.7517, 29.6131, 51.4778



26.9894, 29.6131, 57.8214

Triad

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



23.7517, 29.6131, 51.4778



36.0474, 29.6131, 35.7216



25.6129, 29.6131, 16.2933

Complementary

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



23.7517, 29.6131, 51.4778



25.7207, 19.3491, 7.8490

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.



29.3359, 29.6131, 15.6021



23.7517, 29.6131, 51.4778



35.5942, 29.6131, 25.3229

Square

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



23.7517, 29.6131, 51.4778



34.2398, 29.6131, 47.4620



33.0522, 29.6131, 18.5192



22.8225, 29.6131, 20.6851

Rectangle

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



23.7517, 29.6131, 51.4778



29.5494, 29.6131, 57.6671



33.0522, 29.6131, 18.5192



26.7885, 29.6131, 15.6667

Sweetspot

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



23.7527, 29.6142, 51.4785



67.5811, 75.5787, 95.2276



22.2557, 37.6106, 17.0980



14.3989, 16.2471, 20.9197



90.7827, 95.5105, 104.0109



18.6292, 19.5994, 21.3438

Same Dimension

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



23.7527, 29.6142, 51.4785



38.2250, 48.1442, 91.4795



15.8862, 13.8813, 48.8564



9.6131, 10.4186, 12.1765



13.0054, 16.1225, 34.8194



0.5565, 0.7256, 1.3796

Inverse Universe

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



28.8195, 17.2033, 34.6036



48.5246, 26.0820, 56.4670



33.3036, 34.5148, 10.3766



9.8313, 9.6568, 11.5008



17.5653, 8.6573, 18.8023



0.7118, 0.3486, 0.8616

Previews

White Background



This preview shows how the XYZ color 23.7517, 29.6131, 51.4778 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 23.7517, 29.6131, 51.4778 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

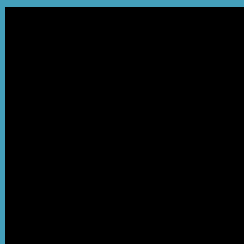
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

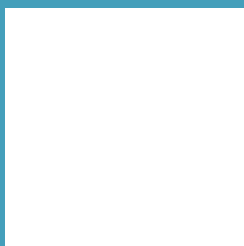
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 23.7517, 29.6131, 51.4778

Background



This preview shows how black text looks on a background with the XYZ color 23.7517, 29.6131, 51.4778.

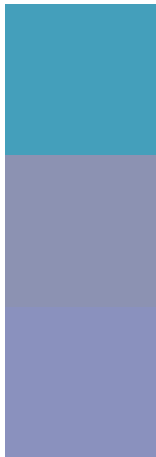


This preview shows how white text looks on a background with the XYZ color 23.7517, 29.6131,

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

23.7517, 29.6131, 51.4778

Protanopia

29.1300, 29.3476, 46.2488

Deuteranopia

29.9009, 29.3718, 52.8086



Tritanopia

22.3715, 29.5699, 44.5729

Trichromacy



Original Color

23.7517, 29.6131, 51.4778

Protanomaly

26.3465, 29.0468, 47.9340

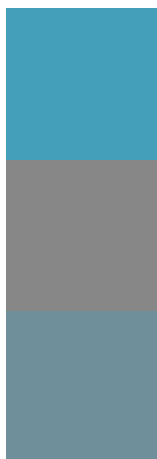
Deuteranomaly

26.9017, 28.9975, 52.3233

Tritanomaly

22.8218, 29.4863, 47.1364

Monochromacy



Original Color

23.7517, 29.6131, 51.4778

Achromatopsia

23.0288, 24.2281, 26.3844

Achromatomaly

22.3615, 25.6591, 34.3460

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.7517, 29.6131, 51.4778 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(68, 159, 187)` looks like.

```
.text, #text, p{  
    color:rgb(68, 159, 187)  
}
```

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(68, 159, 187) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(68, 159, 187) }
```

Border

The CSS property to change the border of an element to XYZ 23.7517, 29.6131, 51.4778 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(68, 159, 187) }
```


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

```
.border{ border-color:rgb(68, 159, 187) }
```

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

Here you see how a box with a 4 pixel `rgb(68, 159, 187)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(68, 159, 187); -webkit-box-  
shadow:4px 4px 4px 4px rgb(68, 159, 187);  
box-shadow:4px 4px 4px 4px rgb(68, 159,  
187) }
```

Background

The CSS property to change the background color of an element to XYZ 23.7517, 29.6131, 51.4778 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(68, 159, 187) }
```

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

```
.background{ background-color: rgb(68, 159,  
187) }
```

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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