

Converting Colors

XYZ(23.7766, 28.7007, 51.6898)

Have a look what the booklet for
XYZ(23.7766, 28.7007, 51.6898)
contains.

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Color

**XYZ(23.7789, 28.6100,
51.8460)**

Conversions

Conversions Part 1

Format	Color
Hex	4C9BBC
RGB	76, 155, 188
RGB Percent	30%, 61%, 74%
CMY	0.7019, 0.3921, 0.2627
CMYK	0.60, 0.18, 0.00, 0.26
HSL	198°, 46%, 52%
HSV	198°, 60%, 74%
XYZ	23.7789, 28.6100, 51.8460
YIQ	135.1410, -57.6770, -6.4850

Conversions

Conversions Part 2

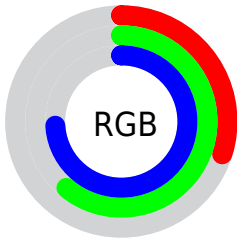
Format	Color
R_{YB}	76, 122, 188
Decimal	5020604
CIE _{Lab}	60.44, -14.41, -24.39
CIE _{LCh}	60, 28.329, 239.427
Yxy	28.6100, 0.2281, 0.2745
Android (android.graphics.Color)	4283210684 (0xFF4C9BBC)
YUV	135.1410, 26.0595, -51.8667
Hunter-Lab	53.4883, -14.2501, -20.0277

Details

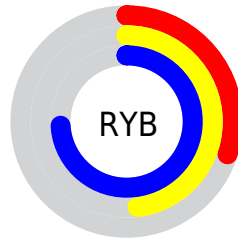
The XYZ color **23.7789, 28.6100, 51.8460** is a dark color, and the websafe version is hex **3399CC**. A complement of this color would be **27.5130, 22.1515, 9.6640**, and the grayscale version is **23.0040, 24.2020, 26.3560**.

A 20% lighter version of the original color is **48.9611, 57.2009, 94.0483**, and **9.3235, 11.6499, 24.6789** is the 20% darker color. If you saturate the color by 10%, you get **21.5971, 26.1485, 51.4864**, and if you desaturate by 10%, it is **26.4412, 31.3832, 52.2415**.

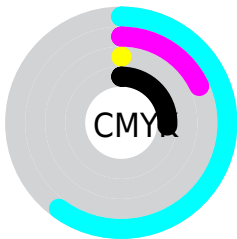
Distribution



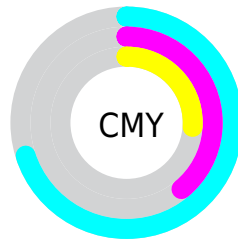
- Red (30%)
- Green (61%)
- Blue (74%)



- Red (30%)
- Yellow (48%)
- Blue (74%)



- Cyan (60%)
- Magenta (18%)
- Yellow (0%)
- Black (26%)



- Cyan (70%)
- Magenta (39%)
- Yellow (26%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.7789, 28.6100, 51.8460 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 23.7789, 28.6100, 51.8460 by changing the saturation by 10% instead.

■ 23.7789, 28.6100,
51.8460

■ 23.7789, 28.6100,
51.8460

264.1620,
295.3704, 410.7818

■ 15.2935, 18.7860,
36.5009

■ 49.1265, 57.4569,
94.3284

■ 9.1133, 11.5157,
24.5286

■ 66.7194, 77.2485,
122.3027

■ 4.8729, 6.4149,
15.5104

■ 88.0788, 101.1315,
155.3240

■ 2.2068, 3.0989,
9.0278

■ 113.5702,
129.4902, 193.8106

■ 0.7463, 1.1836,
4.6622

■ 143.5589,
162.7091, 238.1811

■ 0.0000, 0.0483,
1.9952

178.4102,

■ 0.0000, 0.0000,

201.1725, 288.8542

0.5523

218.4894,
245.2648, 346.2482

■ 0.0000, 0.0000,
0.0000

■ 23.7789, 28.6100,
51.8460

■ 23.7789, 28.6100,
51.8460

■ 21.5971, 26.1485,
51.4864

■ 26.4412, 31.3832,
52.2415

■ 19.8533, 23.9741,
51.1586

■ 29.6164, 34.4838,
52.6726

■ 18.5014, 22.0629,
50.8610

■ 33.3368, 37.9299,
53.1417

■ 17.4536, 20.3687,
50.5892

■ 37.6316, 41.7372,
53.6502

■ 17.4112, 20.2988,
50.5779

■ 42.5275, 45.9204,
54.1996

■ 48.0495, 50.4932,
54.7912

■ 54.2213, 55.4683,
55.4262

■ 61.0651, 60.8582,
56.1059

■ 68.6023, 66.6743,
56.8312

Harmonies

Analogous

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



21.5296, 28.6100, 42.1003



23.7789, 28.6100, 51.8460



27.1228, 28.6100, 55.8664

Triad

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



23.7789, 28.6100, 51.8460



34.8274, 28.6100, 31.3528



23.8902, 28.6100, 16.7259

Complementary

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



23.7789, 28.6100, 51.8460



27.5130, 22.1515, 9.6640

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.



27.2632, 28.6100, 15.0721



23.7789, 28.6100, 51.8460



33.7714, 28.6100, 22.2873

Square

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



23.7789, 28.6100, 51.8460



33.6903, 28.6100, 42.5273



30.9191, 28.6100, 16.8590



21.5897, 28.6100, 22.0100

Rectangle

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



23.7789, 28.6100, 51.8460



29.5933, 28.6100, 54.1966



30.9191, 28.6100, 16.8590



24.9260, 28.6100, 15.7874

Sweetspot

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



23.7798, 28.6110, 51.8467



69.2725, 76.5715, 97.3549



23.6572, 38.5807, 20.3142



14.3762, 16.0133, 20.8757



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.



23.7798, 28.6110, 51.8467



38.2492, 46.3204, 93.1510



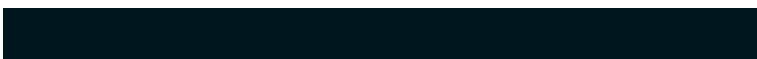
16.6413, 14.3340, 49.4672



9.5647, 10.3218, 12.1604



11.9212, 13.9541, 34.4580



0.5211, 0.6549, 1.3678

Inverse Universe

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



29.2407, 18.2277, 32.9885



49.5306, 27.7586, 53.5445



35.2721, 37.6696, 12.2504



9.8069, 9.6471, 11.3721



17.0180, 8.4384, 15.9204



0.6939, 0.3415, 0.7675

Previews

White Background



This preview shows how the XYZ color 23.7789, 28.6100, 51.8460 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 23.7789, 28.6100, 51.8460 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

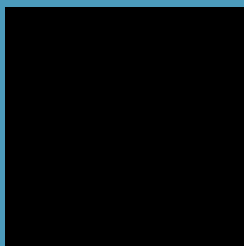
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

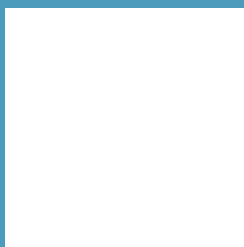
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 23.7789, 28.6100, 51.8460

Background



This preview shows how black text looks on a background with the XYZ color 23.7789, 28.6100, 51.8460.

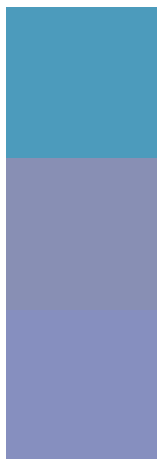


This preview shows how white text looks on a background with the XYZ color 23.7789, 28.6100,

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

23.7789, 28.6100, 51.8460

Protanopia

28.2140, 28.1744, 47.1312

Deuteranopia

29.0579, 28.4748, 53.2549



Tritanopia

21.9614, 28.6229, 42.8954

Trichromacy



Original Color

23.7789, 28.6100, 51.8460

Protanomaly

25.9204, 27.8637, 48.8118

Deuteranomaly

26.5380, 28.0959, 52.7395

Tritanomaly

22.5913, 28.6279, 45.9300

Monochromacy



Original Color

23.7789, 28.6100, 51.8460

Achromatopsia

23.0288, 24.2281, 26.3844

Achromatomaly

22.4452, 25.2565, 34.2639

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.7789, 28.6100, 51.8460 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(76, 155, 188)` looks like.

```
.text, #text, p{  
    color:rgb(76, 155, 188)  
}
```

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(76, 155, 188) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(76, 155, 188) }
```

Border

The CSS property to change the border of an element to XYZ 23.7789, 28.6100, 51.8460 is called "border". The border property can be set on classes, ids or directly on the HTML element.

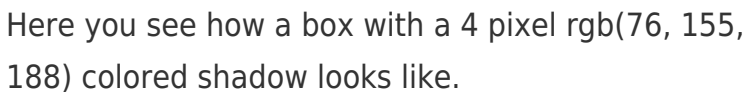
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(76, 155, 188) }
```


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

```
.border{ border-color:rgb(76, 155, 188) }
```

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



Here you see how a box with a 4 pixel `rgb(76, 155, 188)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(76, 155, 188); -webkit-box-shadow:4px 4px 4px 4px rgb(76, 155, 188); box-shadow:4px 4px 4px 4px rgb(76, 155, 188) }
```

Background

The CSS property to change the background color of an element to XYZ 23.7789, 28.6100, 51.8460 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(76, 155, 188) }
```

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

```
.background{ background-color: rgb(76, 155,  
188) }
```

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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