

Converting Colors

XYZ(23.6817, 31.2393, 49.9100)

Have a look what the booklet for
XYZ(23.6817, 31.2393, 49.9100)
contains.

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Color

**XYZ(23.6824, 31.1832,
50.1182)**

Conversions

Conversions Part 1

Format	Color
Hex	37A5B8
RGB	55, 165, 184
RGB Percent	22%, 65%, 72%
CMY	0.7843, 0.3529, 0.2784
CMYK	0.70, 0.10, 0.00, 0.28
HSL	189°, 54%, 47%
HSV	189°, 70%, 72%
XYZ	23.6824, 31.1832, 50.1182
YIQ	134.2760, -71.6590, -17.4110

Conversions

Conversions Part 2

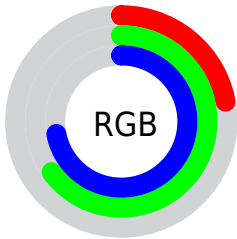
Format	Color
RYB	55, 114, 184
Decimal	3646904
CIELab	62.66, -24.43, -18.80
CIELCh	63, 30.826, 217.575
Yxy	31.1832, 0.2256, 0.2970
Android (android.graphics.Color)	4281836984 (0xFF37A5B8)
YUV	134.2760, 24.5139, -69.5251
Hunter-Lab	55.8419, -22.0220, -14.1235

Details

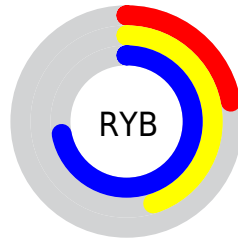
The XYZ color **23.6824, 31.1832, 50.1182** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **22.9064, 15.3648, 5.3738**, and the grayscale version is **22.6942, 23.8761, 26.0010**.

A 20% lighter version of the original color is **48.9291, 61.3996, 91.7105**, and **10.0019, 13.4489, 23.5415** is the 20% darker color. If you saturate the color by 10%, you get **22.3727, 29.7907, 49.9190**, and if you desaturate by 10%, it is **25.3801, 32.7924, 50.3399**.

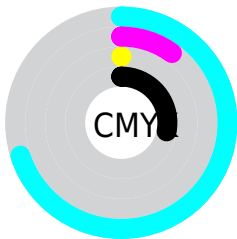
Distribution



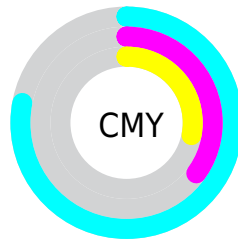
- Red (22%)
- Green (65%)
- Blue (72%)



- Red (22%)
- Yellow (45%)
- Blue (72%)



- Cyan (70%)
- Magenta (10%)
- Yellow (0%)
- Black (28%)



- Cyan (78%)
- Magenta (35%)
- Yellow (28%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.6824, 31.1832, 50.1182 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 23.6824, 31.1832, 50.1182 by changing the saturation by 10% instead.

■ 23.6824, 31.1832,
50.1182

■ 23.6824, 31.1832,
50.1182

263.6812,
307.3814, 403.8763

■ 15.2217, 20.7384,
35.1355

■ 48.9699, 61.5284,
91.7481

■ 9.0624, 12.9329,
23.4829

■ 66.5273, 82.1976,
119.2323

■ 4.8394, 7.3824,
14.7418

■ 87.8477, 107.0436,
151.7209

■ 2.1871, 3.7024,
8.4938

■ 113.2964,
136.4510, 189.6322

■ 0.7359, 1.5085,
4.3202

■ 143.2387,
170.8041, 233.3849

■ 0.0000, 0.2947,
1.8026

178.0401,

■ 0.0000, 0.0000,

210.4872, 283.3974

0.4297

218.0658,
255.8849, 340.0884

■ 0.0000, 0.0000,
0.0000

■ 23.6824, 31.1832,
50.1182

■ 23.6824, 31.1832,
50.1182

■ 22.3727, 29.7907,
49.9190

■ 25.3801, 32.7924,
50.3399

■ 21.4037, 28.5884,
49.7380

■ 27.5004, 34.6343,
50.5837

■ 20.6920, 27.5411,
49.5734

■ 30.0772, 36.7271,
50.8518

■ 33.1402, 39.0862,
51.1457

■ 36.7165, 41.7257,
51.4667

■ 40.8313, 44.6586,
51.8160

■ 45.5079, 47.8971,
52.1946

■ 50.7685, 51.4526,
52.6036

■ 56.6338, 55.3359,
53.0440

Harmonies

Analogous

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



22.3259, 31.1832, 37.0976



23.6824, 31.1832, 50.1182



26.6607, 31.1832, 60.1652

Triad

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



23.6824, 31.1832, 50.1182



37.7568, 31.1832, 43.5726



28.5857, 31.1832, 15.7861

Complementary

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



23.6824, 31.1832, 50.1182



22.9064, 15.3648, 5.3738

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.



32.8306, 31.1832, 16.7338



23.6824, 31.1832, 50.1182



38.3958, 31.1832, 30.9917

Square

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



23.6824, 31.1832, 50.1182



34.8466, 31.1832, 55.8057



36.5183, 31.1832, 21.7017



24.9774, 31.1832, 18.7113

Rectangle

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



23.6824, 31.1832, 50.1182



29.2980, 31.1832, 62.7342



36.5183, 31.1832, 21.7017



29.9820, 31.1832, 15.6775

Sweetspot

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



23.6834, 31.1843, 50.1190



65.6973, 75.0132, 93.2210



19.8931, 35.5645, 11.9825



13.7673, 15.8818, 20.0615



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.



23.6834, 31.1843, 50.1190



39.5537, 52.8075, 90.3128



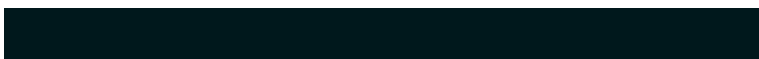
15.0092, 13.8360, 47.2276



9.1509, 9.9791, 11.5233



14.3010, 19.0617, 34.1786



0.5352, 0.7340, 1.2152

Inverse Universe

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



27.9257, 15.6403, 37.1455



48.1763, 24.5370, 63.1990



29.3608, 28.2735, 7.5252



9.3225, 9.1394, 11.0459



17.8322, 8.7066, 22.8008



0.6443, 0.3132, 0.8862

Previews

White Background



This preview shows how the XYZ color 23.6824, 31.1832, 50.1182 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

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 23.6824, 31.1832, 50.1182 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

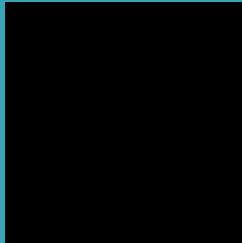
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 23.6824, 31.1832, 50.1182

Background



This preview shows how black text looks on a background with the XYZ color 23.6824, 31.1832, 50.1182.

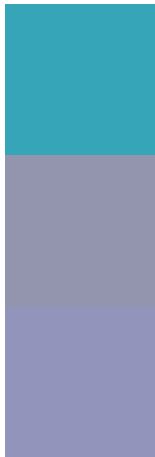


This preview shows how white text looks on a background with the XYZ color 23.6824, 31.1832,

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

23.6824, 31.1832, 50.1182

Protanopia

30.1443, 30.6230, 43.8572

Deuteranopia

31.5211, 30.9216, 51.8841



Tritanopia

23.1891, 31.2572, 47.4589

Trichromacy



Original Color

23.6824, 31.1832, 50.1182

Protanomaly

26.4672, 30.1277, 46.0152

Deuteranomaly

27.3353, 30.2098, 51.4041

Tritanomaly

23.4449, 31.3655, 48.5345

Monochromacy



Original Color

23.6824, 31.1832, 50.1182

Achromatopsia

22.6597, 23.8398, 25.9615

Achromatomaly

21.6186, 25.5211, 33.4924

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.6824, 31.1832, 50.1182 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(55, 165, 184)` looks like.

```
.text, #text, p{  
    color:rgb(55, 165, 184)  
}
```

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(55, 165, 184) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(55, 165, 184) }
```

Border

The CSS property to change the border of an element to XYZ 23.6824, 31.1832, 50.1182 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(55, 165, 184) }
```


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

```
.border{ border-color:rgb(55, 165, 184) }
```

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

Here you see how a box with a 4 pixel `rgb(55, 165, 184)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(55, 165, 184); -webkit-box-  
shadow:4px 4px 4px 4px rgb(55, 165, 184);  
box-shadow:4px 4px 4px 4px rgb(55, 165,  
184) }
```

Background

The CSS property to change the background color of an element to XYZ 23.6824, 31.1832, 50.1182 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(55, 165, 184) }
```

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

```
.background{ background-color: rgb(55, 165,  
184) }
```

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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