

Converting Colors

XYZ(23.6272, 32.6933, 47.9836)

Have a look what the booklet for
XYZ(23.6272, 32.6933, 47.9836)
contains.

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Color

**XYZ(23.6092, 32.5583,
48.2201)**

Conversions

Conversions Part 1

Format	Color
Hex	2BAAB4
RGB	43, 170, 180
RGB Percent	17%, 67%, 71%
CMY	0.8313, 0.3333, 0.2941
CMYK	0.76, 0.06, 0.00, 0.29
HSL	184°, 61%, 44%
HSV	184°, 76%, 71%
XYZ	23.6092, 32.5583, 48.2201
YIQ	133.1670, -78.9020, -23.8140

Conversions

Conversions Part 2

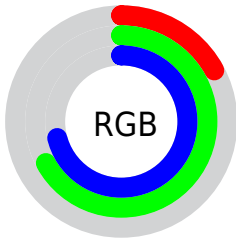
Format	Color
RYB	43, 109, 180
Decimal	2861748
CIELab	63.80, -29.67, -14.86
CIELCh	64, 33.181, 206.602
Yxy	32.5583, 0.2262, 0.3119
Android (android.graphics.Color)	4281051828 (0xFF2BAAB4)
YUV	133.1670, 23.0887, -79.0765
Hunter-Lab	57.0599, -25.9983, -10.1628

Details

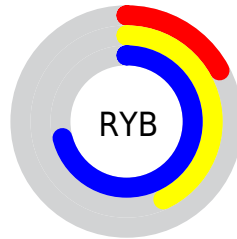
The XYZ color **23.6092, 32.5583, 48.2201** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **20.5324, 12.4250, 3.6026**, and the grayscale version is **22.2957, 23.4568, 25.5445**.

A 20% lighter version of the original color is **49.0188, 63.8936, 89.1060**, and **10.1921, 14.2549, 22.2930** is the 20% darker color. If you saturate the color by 10%, you get **22.7696, 31.7623, 48.1113**, and if you desaturate by 10%, it is **24.7862, 33.5332, 48.3468**.

Distribution



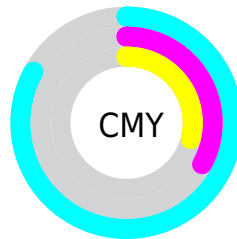
- Red (17%)
- Green (67%)
- Blue (71%)



- Red (17%)
- Yellow (43%)
- Blue (71%)



- Cyan (76%)
- Magenta (6%)
- Yellow (0%)
- Black (29%)



- Cyan (83%)
- Magenta (33%)
- Yellow (29%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.6092, 32.5583, 48.2201 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 23.6092, 32.5583, 48.2201 by changing the saturation by 10% instead.

■ 23.6092, 32.5583,
48.2201

■ 23.6092, 32.5583,
48.2201

263.3160,
313.6547, 396.1977

■ 15.1671, 21.7883,
33.6400

■ 48.8510, 63.6853,
88.9010

■ 9.0239, 13.7014,
22.3420

■ 66.3815, 84.8111,
115.8388

■ 4.8140, 7.9133,
13.9077

■ 87.6722, 110.1576,
147.7330

■ 2.1722, 4.0395,
7.9185

■ 113.0885,
140.1092, 185.0021

■ 0.7280, 1.6957,
3.9558

■ 142.9956,
175.0503, 228.0645

■ 0.0000, 0.4209,
1.6011

177.7590,

■ 0.0000, 0.0000,

215.3654, 277.3389

0.2916

217.7440,
261.4387, 333.2438

■ 0.0000, 0.0000,
0.0000

■ 23.6092, 32.5583,
48.2201

■ 23.6092, 32.5583,
48.2201

■ 22.7696, 31.7623,
48.1113

■ 24.7862, 33.5332,
48.3468

■ 22.2136, 31.1155,
48.0158

■ 26.3364, 34.7035,
48.4910

■ 22.0320, 30.8826,
47.9804

■ 28.2944, 36.0877,
48.6550

■ 30.6902, 37.7012,
48.8402

■ 33.5506, 39.5580,
49.0478

■ 36.9005, 41.6708,
49.2791

■ 40.7630, 44.0516,
49.5350

■ 45.1596, 46.7115,
49.8167

■ 50.1108, 49.6610,
50.1251

Harmonies

Analogous

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



22.8393, 32.5583, 33.9521



23.6092, 32.5583, 48.2201



26.2734, 32.5583, 61.4630

Triad

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



23.6092, 32.5583, 48.2201



39.0405, 32.5583, 51.5249



31.4795, 32.5583, 15.5169

Complementary

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



23.6092, 32.5583, 48.2201



20.5324, 12.4250, 3.6026

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.



36.1415, 32.5583, 18.0599



23.6092, 32.5583, 48.2201



40.7737, 32.5583, 36.9923

Square

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



23.6092, 32.5583, 48.2201



35.1316, 32.5583, 63.6829



39.6634, 32.5583, 25.1613



27.1063, 32.5583, 17.1076

Rectangle

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



23.6092, 32.5583, 48.2201



28.9167, 32.5583, 66.7105



39.6634, 32.5583, 25.1613



33.0674, 32.5583, 15.8964

Sweetspot

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



23.6102, 32.5595, 48.2209



62.3912, 72.7182, 89.0423



17.9413, 33.4060, 8.7681



13.0453, 15.4367, 19.2143



86.6293, 91.1408, 99.2523



17.0014, 17.8868, 19.4787

Same Dimension

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



23.6102, 32.5595, 48.2209



40.5855, 56.8081, 87.1206



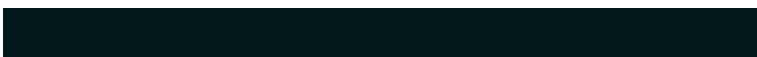
14.0232, 13.3854, 45.0252



8.6885, 9.5233, 10.8866



15.3979, 21.5962, 33.4939



0.5001, 0.7108, 1.0591

Inverse Universe

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



26.9429, 14.3343, 39.3782



47.1878, 23.2501, 69.0308



26.0524, 23.4650, 5.4426



8.8227, 8.6358, 10.5649



18.0068, 8.7203, 26.2595



0.5745, 0.2775, 0.8679

Previews

White Background



This preview shows how the XYZ color 23.6092, 32.5583, 48.2201 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 23.6092, 32.5583, 48.2201 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

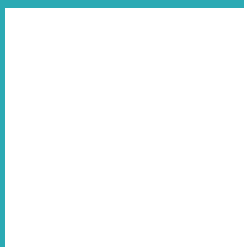
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 23.6092, 32.5583, 48.2201

Background



This preview shows how black text looks on a background with the XYZ color 23.6092, 32.5583, 48.2201.

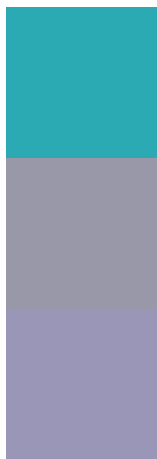


This preview shows how white text looks on a background with the XYZ color 23.6092, 32.5583,

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

23.6092, 32.5583, 48.2201

Protanopia

31.3386, 31.9964, 42.0603

Deuteranopia

32.6949, 32.0457, 49.8096



Tritanopia

23.8619, 32.3757, 49.7912

Trichromacy



Original Color

23.6092, 32.5583, 48.2201



Protanomaly

26.6231, 31.2581, 44.1654



Deuteranomaly

27.4143, 31.0435, 49.3469



Tritanomaly

23.7137, 32.3112, 49.2428

Monochromacy



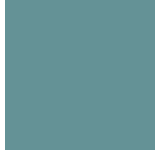
Original Color

23.6092, 32.5583, 48.2201



Achromatopsia

22.2940, 23.4551, 25.5426



Achromatomaly

21.0394, 25.4691, 32.6613

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.6092, 32.5583, 48.2201 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(43, 170, 180)` looks like.

```
.text, #text, p{  
    color:rgb(43, 170, 180)  
}
```

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(43, 170, 180) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(43, 170, 180) }
```

Border

The CSS property to change the border of an element to XYZ 23.6092, 32.5583, 48.2201 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(43, 170, 180) }
```


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

```
.border{ border-color:rgb(43, 170, 180) }
```

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

Here you see how a box with a 4 pixel `rgb(43, 170, 180)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(43, 170, 180); -webkit-box-  
shadow:4px 4px 4px 4px rgb(43, 170, 180);  
box-shadow:4px 4px 4px 4px rgb(43, 170,  
180) }
```

Background

The CSS property to change the background color of an element to XYZ 23.6092, 32.5583, 48.2201 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(43, 170, 180) }
```

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

```
.background{ background-color: rgb(43, 170,  
180) }
```

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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