

Converting Colors

XYZ(23.1986, 32.5724, 49.4319)

Have a look what the booklet for
XYZ(23.1986, 32.5724, 49.4319)
contains.

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Color

**XYZ(23.2034, 32.6048,
49.3264)**

Conversions

Conversions Part 1

Format	Color
Hex	0FABB6
RGB	15, 171, 182
RGB Percent	6%, 67%, 71%
CMY	0.9411, 0.3294, 0.2863
CMYK	0.92, 0.06, 0.00, 0.29
HSL	184°, 85%, 39%
HSV	184°, 92%, 71%
XYZ	23.2034, 32.6048, 49.3264
YIQ	125.6100, -96.5070, -29.6510

Conversions

Conversions Part 2

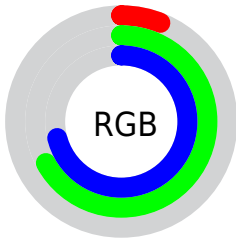
Format	Color
R _{YB}	15, 96, 182
Decimal	1026998
CIE _{Lab}	63.84, -31.64, -15.95
CIE _{LCh}	64, 35.435, 206.751
Y _{xy}	32.6048, 0.2207, 0.3101
Android (android.graphics.Color)	4279217078 (0xFF0FABB6)
Y _{UV}	125.6100, 27.8003, -97.0050
Hunter-Lab	57.1006, -27.3908, -11.2473

Details

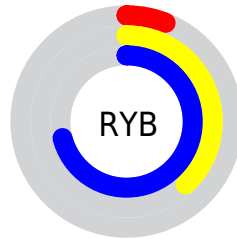
The XYZ color **23.2034, 32.6048, 49.3264** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **19.7480, 10.7196, 1.4811**, and the grayscale version is **19.6341, 20.6566, 22.4950**.

A 20% lighter version of the original color is **48.2685, 63.8779, 90.6746**, and **10.4409, 14.5418, 23.0254** is the 20% darker color. If you saturate the color by 10%, you get **22.8207, 32.1317, 49.2559**, and if you desaturate by 10%, it is **23.8689, 33.2863, 49.4235**.

Distribution



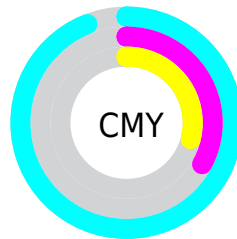
- Red (6%)
- Green (67%)
- Blue (71%)



- Red (6%)
- Yellow (38%)
- Blue (71%)



- Cyan (92%)
- Magenta (6%)
- Yellow (0%)
- Black (29%)



- Cyan (94%)
- Magenta (33%)
- Yellow (29%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.2034, 32.6048, 49.3264 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 23.2034, 32.6048, 49.3264 by changing the saturation by 10% instead.

■ 23.2034, 32.6048,
49.3264

■ 23.2034, 32.6048,
49.3264

261.2839,
313.8652, 400.6852

■ 14.8653, 21.8239,
34.5110

■ 48.1913, 63.7580,
90.5620

■ 8.8106, 13.7275,
23.0059

■ 65.5718, 84.8991,
117.8194

■ 4.6740, 7.9314,
14.3926

■ 86.6971, 110.2624,
150.0612

■ 2.0900, 4.0511,
8.2523

■ 111.9327,
140.2322, 187.7059

■ 0.6838, 1.7022,
4.1668

■ 141.6437,
175.1930, 231.1721

■ 0.0000, 0.4251,
1.7173

176.1957,

■ 0.0000, 0.0000,

215.5292, 280.8784

0.3725

215.9540,
261.6251, 337.2433

■ 0.0000, 0.0000,
0.0000

■ 23.2034, 32.6048,
49.3264

■ 23.2034, 32.6048,
49.3264

■ 22.8207, 32.1317,
49.2559

■ 23.8689, 33.2863,
49.4235

■ 24.8508, 34.1332,
49.5352

■ 26.1945, 35.1697,
49.6645

■ 27.9374, 36.4151,
49.8130

■ 30.1120, 37.8862,
49.9823

■ 32.7478, 39.5981,
50.1738

■ 35.8715, 41.5645,
50.3887

■ 39.5076, 43.7983,
50.6283

■ 43.6793, 46.3113,
50.8934

Harmonies

Analogous

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



22.3812, 32.6048, 33.9696



23.2034, 32.6048, 49.3264



26.0319, 32.6048, 63.7192

Triad

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



23.2034, 32.6048, 49.3264



39.7049, 32.6048, 52.7544



31.5357, 32.6048, 14.5611

Complementary

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



23.2034, 32.6048, 49.3264



19.7480, 10.7196, 1.4811

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.



36.5405, 32.6048, 17.1548



23.2034, 32.6048, 49.3264



41.5637, 32.6048, 37.0779

Square

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



23.2034, 32.6048, 49.3264



35.5015, 32.6048, 66.0420



40.3484, 32.6048, 24.5354



26.8776, 32.6048, 16.2156

Rectangle

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



23.2034, 32.6048, 49.3264



28.8472, 32.6048, 69.4329



40.3484, 32.6048, 24.5354



33.2361, 32.6048, 14.9429

Sweetspot

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



23.2044, 32.6060, 49.3272



61.1233, 72.9040, 91.0861



17.0840, 33.6215, 6.4196



12.9946, 15.7803, 20.0826



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.



23.2044, 32.6060, 49.3272



41.3043, 58.1159, 89.2762



12.3111, 10.8193, 45.6961



9.2147, 10.1066, 11.5445



16.1346, 22.7289, 34.7898



0.5841, 0.8319, 1.2315

Inverse Universe

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



26.8138, 13.2280, 39.6693



48.0969, 23.2791, 70.7350



24.6214, 20.4664, 3.1056



9.3547, 9.1523, 11.2153



18.7577, 9.0768, 27.6745



0.6690, 0.3231, 1.0163

Previews

White Background



This preview shows how the XYZ color 23.2034, 32.6048, 49.3264 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 23.2034, 32.6048, 49.3264 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

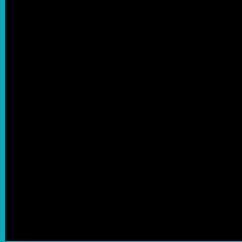
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

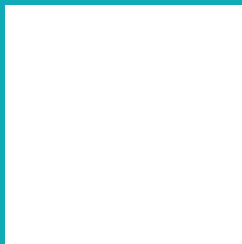
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 23.2034, 32.6048, 49.3264

Background



This preview shows how black text looks on a background with the XYZ color 23.2034, 32.6048, 49.3264.



This preview shows how white text looks on a background with the XYZ color 23.2034, 32.6048,

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

23.2034, 32.6048, 49.3264

Protanopia

31.2464, 31.9381, 42.5480

Deuteranopia

32.8249, 32.0759, 51.4749



Tritanopia

23.5239, 32.7459, 50.4282

Trichromacy



Original Color

23.2034, 32.6048, 49.3264

Protanomaly

25.5176, 30.6770, 44.6207

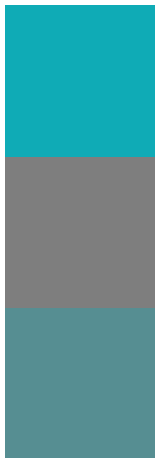
Deuteranomaly

26.4633, 30.7813, 50.4456

Tritanomaly

23.3787, 32.6832, 49.8760

Monochromacy



Original Color

23.2034, 32.6048, 49.3264

Achromatopsia

19.8309, 20.8637, 22.7206

Achromatomaly

18.6991, 23.3998, 30.7252

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.2034, 32.6048, 49.3264 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(15, 171, 182)` looks like.

```
.text, #text, p{  
    color:rgb(15, 171, 182)  
}
```

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(15, 171, 182) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(15, 171, 182) }
```

Border

The CSS property to change the border of an element to XYZ 23.2034, 32.6048, 49.3264 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(15, 171, 182) }
```


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

```
.border{ border-color:rgb(15, 171, 182) }
```

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

Here you see how a box with a 4 pixel `rgb(15, 171, 182)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(15, 171, 182); -webkit-box-shadow:4px 4px 4px 4px rgb(15, 171, 182); box-shadow:4px 4px 4px 4px rgb(15, 171, 182) }
```

Background

The CSS property to change the background color of an element to XYZ 23.2034, 32.6048, 49.3264 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(15, 171, 182) }
```

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

```
.background{ background-color: rgb(15, 171,  
182) }
```

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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