

Converting Colors

XYZ(23.1648, 31.9110, 50.8725)

Have a look what the booklet for
XYZ(23.1648, 31.9110, 50.8725)
contains.

XYZ(23.2135, 32.0172, 50.8554)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(23.2135, 32.0172,
50.8554)**

Conversions

Conversions Part 1

Format	Color
Hex	13A9B9
RGB	19, 169, 185
RGB Percent	7%, 66%, 73%
CMY	0.9254, 0.3372, 0.2745
CMYK	0.90, 0.09, 0.00, 0.27
HSL	186°, 81%, 40%
HSV	186°, 90%, 73%
XYZ	23.2135, 32.0172, 50.8554
YIQ	125.9740, -94.5360, -26.8240

Conversions

Conversions Part 2

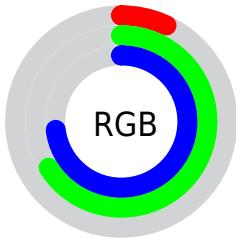
Format	Color
RYB	19, 98, 185
Decimal	1288633
CIELab	63.36, -29.52, -18.35
CIElCh	63, 34.758, 211.871
Yxy	32.0172, 0.2188, 0.3018
Android (android.graphics.Color)	4279478713 (0xFF13A9B9)
YUV	125.9740, 29.0998, -93.8162
Hunter-Lab	56.5837, -25.7919, -13.6791

Details

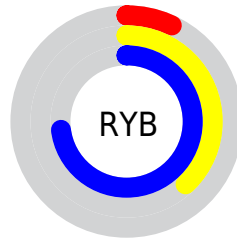
The XYZ color **23.2135, 32.0172, 50.8554** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **20.7273, 11.5649, 1.7569**, and the grayscale version is **19.7524, 20.7811, 22.6306**.

A 20% lighter version of the original color is **48.2819, 63.0261, 92.8396**, and **10.4102, 14.1567, 24.0136** is the 20% darker color. If you saturate the color by 10%, you get **22.6225, 31.2240, 50.7341**, and if you desaturate by 10%, it is **24.0614, 32.9508, 50.9915**.

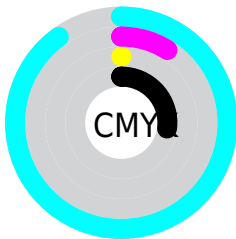
Distribution



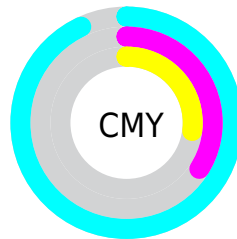
- Red (7%)
- Green (66%)
- Blue (73%)



- Red (7%)
- Yellow (38%)
- Blue (73%)



- Cyan (90%)
- Magenta (9%)
- Yellow (0%)
- Black (27%)



- Cyan (93%)
- Magenta (34%)
- Yellow (27%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.2135, 32.0172, 50.8554 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 23.2135, 32.0172, 50.8554 by changing the saturation by 10% instead.

■ 23.2135, 32.0172,
50.8554

■ 23.2135, 32.0172,
50.8554

261.3346,
311.1976, 406.8322

■ 14.8728, 21.3746,
35.7176

■ 48.2077, 62.8381,
92.8503

■ 8.8159, 13.3981,
23.9282

■ 65.5920, 83.7851,
120.5445

■ 4.6774, 7.7033,
15.0687

■ 86.7214, 108.9358,
153.2613

■ 2.0921, 3.9057,
8.7204

■ 111.9615,
138.6746, 191.4191

■ 0.6849, 1.6209,
4.4650

■ 141.6775,
173.3857, 235.4366

■ 0.0000, 0.3717,
1.8837

176.2347,

■ 0.0000, 0.0000,

213.4537, 285.7322

0.4824

215.9987,
259.2628, 342.7246

■ 0.0000, 0.0000,
0.0000

■ 23.2135, 32.0172,
50.8554

■ 23.2135, 32.0172,
50.8554

■ 22.6225, 31.2240,
50.7341

■ 24.0614, 32.9508,
50.9915

■ 22.6067, 31.2021,
50.7307

■ 25.2503, 34.0663,
51.1442

■ 26.8258, 35.3879,
51.3162

■ 28.8256, 36.9350,
51.5095

■ 31.2830, 38.7249,
51.7254

■ 34.2278, 40.7728,
51.9655

■ 37.6876, 43.0931,
52.2310

■ 41.6875, 45.6988,
52.5231

■ 46.2512, 48.6020,
52.8430

Harmonies

Analogous

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



22.0693, 32.0172, 35.7361



23.2135, 32.0172, 50.8554



26.2640, 32.0172, 63.9325

Triad

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



23.2135, 32.0172, 50.8554



39.3675, 32.0172, 48.9469



30.1294, 32.0172, 14.4789

Complementary

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



23.2135, 32.0172, 50.8554



20.7273, 11.5649, 1.7569

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.



35.0178, 32.0172, 16.2883



23.2135, 32.0172, 50.8554



40.6768, 32.0172, 34.0009

Square

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



23.2135, 32.0172, 50.8554



35.5972, 32.0172, 62.6414



39.0090, 32.0172, 22.6305



25.7912, 32.0172, 16.8163

Rectangle

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



23.2135, 32.0172, 50.8554



29.1384, 32.0172, 68.3311



39.0090, 32.0172, 22.6305



31.7620, 32.0172, 14.6200

Sweetspot

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



23.2145, 32.0184, 50.8562



62.6284, 73.9248, 93.1727



17.8907, 34.9461, 7.2306



13.0803, 15.6500, 20.0529



88.6918, 93.3107, 101.6153



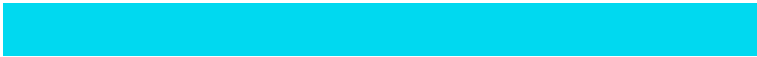
17.8044, 18.7317, 20.3988

Same Dimension

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



23.2145, 32.0184, 50.8562



40.3923, 55.6907, 90.8251



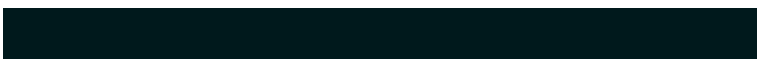
12.5307, 10.6507, 47.2949



9.1907, 10.0586, 11.5365



15.4223, 21.3043, 34.5524



0.5653, 0.7942, 1.2253

Inverse Universe

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



27.4028, 13.6456, 38.7269



48.3052, 23.4615, 67.3525



26.3530, 22.8163, 3.6322



9.3426, 9.1474, 11.1516



18.3981, 8.9330, 25.7812



0.6595, 0.3193, 0.9663

Previews

White Background



This preview shows how the XYZ color 23.2135, 32.0172, 50.8554 looks on a white background.

Color Contrast Check

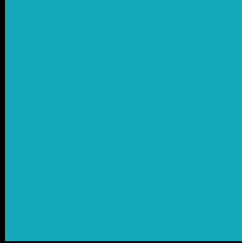
Large Text (above 18pt) WCAG AA × Fail

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 23.2135, 32.0172, 50.8554 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

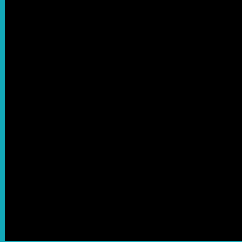
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

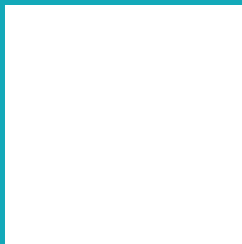
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 23.2135, 32.0172, 50.8554

Background



This preview shows how black text looks on a background with the XYZ color 23.2135, 32.0172, 50.8554.

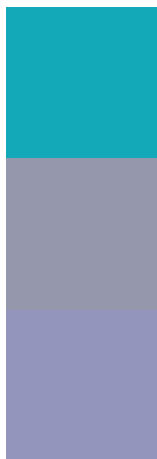


This preview shows how white text looks on a background with the XYZ color 23.2135, 32.0172,

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

23.2135, 32.0172, 50.8554

Protanopia

31.0039, 31.5399, 43.9889

Deuteranopia

32.1455, 31.4649, 52.5232



Tritanopia

22.9163, 31.8882, 49.7470

Trichromacy



Original Color

23.2135, 32.0172, 50.8554



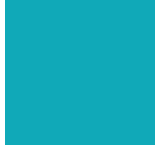
Protanomaly

25.6422, 30.4528, 46.1215



Deuteranomaly

26.3324, 30.1745, 52.0133



Tritanomaly

23.0534, 31.9468, 50.2987

Monochromacy



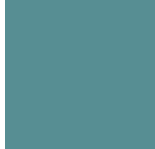
Original Color

23.2135, 32.0172, 50.8554



Achromatopsia

19.8309, 20.8637, 22.7206



Achromatomaly

18.8699, 23.4788, 31.1411

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.2135, 32.0172, 50.8554 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(19, 169, 185)` looks like.

```
.text, #text, p{  
    color:rgb(19, 169, 185)  
}
```

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(19, 169, 185) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(19, 169, 185) }
```

Border

The CSS property to change the border of an element to XYZ 23.2135, 32.0172, 50.8554 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(19, 169, 185) }
```


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

```
.border{ border-color:rgb(19, 169, 185) }
```

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

Here you see how a box with a 4 pixel `rgb(19, 169, 185)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(19, 169, 185); -webkit-box-  
shadow:4px 4px 4px 4px rgb(19, 169, 185);  
box-shadow:4px 4px 4px 4px rgb(19, 169,  
185) }
```

Background

The CSS property to change the background color of an element to XYZ 23.2135, 32.0172, 50.8554 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(19, 169, 185) }
```

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

```
.background{ background-color: rgb(19, 169,  
185) }
```

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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