

Converting Colors

XYZ(23.1352, 36.6501, 36.2884)

Have a look what the booklet for
XYZ(23.1352, 36.6501, 36.2884)
contains.

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Color

**XYZ(23.2044, 36.7332,
36.4391)**

Conversions

Conversions Part 1

Format	Color
Hex	11B89A
RGB	17, 184, 154
RGB Percent	7%, 72%, 60%
CMY	0.9333, 0.2784, 0.3961
CMYK	0.91, 0.00, 0.16, 0.28
HSL	169°, 83%, 39%
HSV	169°, 91%, 72%
XYZ	23.2044, 36.7332, 36.4391
YIQ	130.6470, -89.9020, -44.7340

Conversions

Conversions Part 2

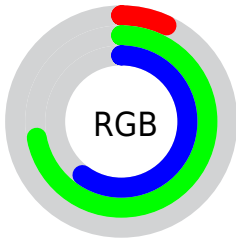
Format	Color
RYB	17, 109, 184
Decimal	1161370
CIELab	67.08, -45.59, 4.38
CIElCh	67, 45.800, 174.514
Yxy	36.7332, 0.2408, 0.3811
Android (android.graphics.Color)	4279351450 (0xFF11B89A)
YUV	130.6470, 11.5130, -99.6684
Hunter-Lab	60.6079, -37.7232, 6.7788

Details

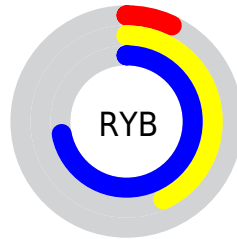
The XYZ color **23.2044, 36.7332, 36.4391** is a dark color, and the websafe version is hex **33CC99**. A complement of this color would be **20.4821, 10.7976, 3.6961**, and the grayscale version is **21.4333, 22.5495, 24.5564**.

A 20% lighter version of the original color is **48.2073, 70.2314, 70.6897**, and **10.4308, 16.9445, 15.5528** is the 20% darker color. If you saturate the color by 10%, you get **22.7224, 36.5147, 35.1047**, and if you desaturate by 10%, it is **23.9606, 37.0917, 37.9326**.

Distribution



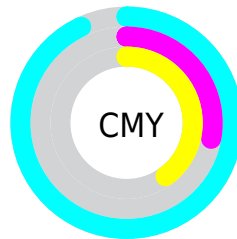
- Red (7%)
- Green (72%)
- Blue (60%)



- Red (7%)
- Yellow (43%)
- Blue (72%)



- Cyan (91%)
- Magenta (0%)
- Yellow (16%)
- Black (28%)





- Cyan (93%)
- Magenta (28%)
- Yellow (40%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 23.2044, 36.7332, 36.4391 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 23.2044, 36.7332, 36.4391 by changing the saturation by 10% instead.


 23.2044, 36.7332,
36.4391


 23.2044, 36.7332,
36.4391


261.2889,
332.1540, 345.9710


 14.8660, 25.0010,
24.4811


 48.1929, 70.1623,
70.8859


 8.8111, 16.0778,
15.4754


 65.5738, 92.6279,
94.2119


 4.6743, 9.5792,
9.0034


 86.6995, 119.4401,
122.1642

 2.0902, 5.1209,
4.6466

 111.9355,
150.9833, 155.1615

 0.6839, 2.3184,
1.9863

 141.6471,
187.6419, 193.6223

 0.0000, 0.7834,
0.5469

176.1996,

 0.0000, 0.0000,

229.8003, 237.9651

0.0000

215.9584,
277.8429, 288.6085

■ 23.2044, 36.7332,
36.4391

■ 23.2044, 36.7332,
36.4391

■ 22.7224, 36.5147,
35.1047

■ 23.9606, 37.0917,
37.9326

■ 25.0517, 37.6210,
39.4809

■ 26.5235, 38.3457,
41.0873

■ 28.4140, 39.2854,
42.7537

■ 30.7563, 40.4571,
44.4821

■ 33.5803, 41.8762,
46.2741

■ 36.9134, 43.5567,
48.1314

■ 40.7806, 45.5118,
50.0554

■ 45.2056, 47.7535,
52.0474

Harmonies

Analogous

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



25.1022, 36.7332, 21.6025



23.2044, 36.7332, 36.4391



24.0883, 36.7332, 58.1202

Triad

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



23.2044, 36.7332, 36.4391



40.7723, 36.7332, 86.0451



43.2823, 36.7332, 16.1839

Complementary

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



23.2044, 36.7332, 36.4391



20.4821, 10.7976, 3.6961

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.



48.5762, 36.7332, 26.0960



23.2044, 36.7332, 36.4391



46.9974, 36.7332, 66.6581

Square

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



23.2044, 36.7332, 36.4391



33.6486, 36.7332, 91.6322



50.0187, 36.7332, 43.7776



36.2103, 36.7332, 12.6714

Rectangle

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



23.2044, 36.7332, 36.4391



26.2058, 36.7332, 73.3745



50.0187, 36.7332, 43.7776



45.3643, 36.7332, 18.6774

Sweetspot

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



23.2054, 36.7346, 36.4400



62.7604, 76.8609, 84.9792



18.4441, 34.9421, 6.3035



13.1130, 16.3596, 18.0774



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.



23.2054, 36.7346, 36.4400



41.1080, 66.1582, 63.2070



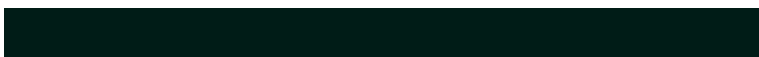
17.0166, 19.8462, 48.2828



9.1956, 10.1822, 11.1872



15.6833, 25.1743, 24.3179



0.5712, 0.8948, 0.9538

Inverse Universe

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



20.4821, 10.7976, 3.6961



36.2707, 18.6477, 3.9795



22.0529, 14.5987, 2.1866



9.0687, 9.0379, 9.7094



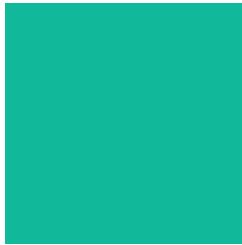
13.8323, 7.1067, 1.7380



0.5079, 0.2586, 0.1679

Previews

White Background



This preview shows how the XYZ color 23.2044, 36.7332, 36.4391 looks on a white background.

Color Contrast Check

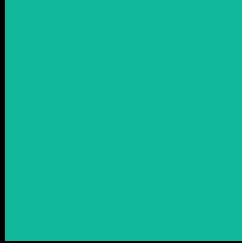
Large Text (above 18pt) WCAG AA × Fail

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 23.2044, 36.7332, 36.4391 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 23.2044, 36.7332, 36.4391

Background



This preview shows how black text looks on a background with the XYZ color 23.2044, 36.7332, 36.4391.

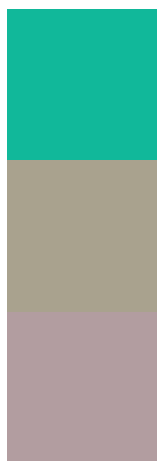


This preview shows how white text looks on a background with the XYZ color 23.2044, 36.7332,

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

23.2044, 36.7332, 36.4391

Protanopia

34.1650, 36.2287, 30.7833

Deuteranopia

36.7622, 36.1170, 38.2914



Tritanopia

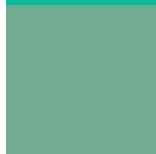
27.3213, 36.9027, 56.1350

Trichromacy



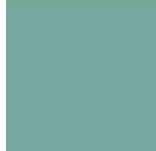
Original Color

23.2044, 36.7332, 36.4391



Protanomaly

26.5025, 34.4022, 32.4376



Deuteranomaly

27.5980, 34.0280, 37.4612



Tritanomaly

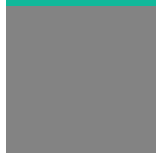
25.5750, 36.7738, 48.3979

Monochromacy



Original Color

23.2044, 36.7332, 36.4391



Achromatopsia

21.5731, 22.6966, 24.7166



Achromatomaly

19.7830, 25.8504, 28.3731

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.2044, 36.7332, 36.4391 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(17, 184, 154)` looks like.

```
.text, #text, p{  
    color:rgb(17, 184, 154)  
}
```

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(17, 184, 154) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(17, 184, 154) }
```

Border

The CSS property to change the border of an element to XYZ 23.2044, 36.7332, 36.4391 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(17, 184, 154) }
```


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

```
.border{ border-color:rgb(17, 184, 154) }
```

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

Here you see how a box with a 4 pixel `rgb(17, 184, 154)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(17, 184, 154); -webkit-box-  
shadow:4px 4px 4px 4px rgb(17, 184, 154);  
box-shadow:4px 4px 4px 4px rgb(17, 184,  
154) }
```

Background

The CSS property to change the background color of an element to XYZ 23.2044, 36.7332, 36.4391 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(17, 184, 154) }
```

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

```
.background{ background-color: rgb(17, 184,  
154) }
```

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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