

Converting Colors

XYZ(22.2193, 33.9506, 30.3810)

Have a look what the booklet for
XYZ(22.2193, 33.9506, 30.3810)
contains.

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Color

**XYZ(22.1834, 33.9362,
30.1921)**

Conversions

Conversions Part 1

Format	Color
Hex	3DB08C
RGB	61, 176, 140
RGB Percent	24%, 69%, 55%
CMY	0.7608, 0.3098, 0.4510
CMYK	0.65, 0.00, 0.20, 0.31
HSL	161°, 49%, 46%
HSV	161°, 65%, 69%
XYZ	22.1834, 33.9362, 30.1921
YIQ	137.5110, -56.9840, -35.5760

Conversions

Conversions Part 2

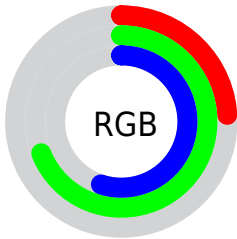
Format	Color
RYB	61, 129, 176
Decimal	4042892
CIELab	64.91, -40.91, 9.08
CIELCh	65, 41.909, 167.481
Yxy	33.9362, 0.2570, 0.3932
Android (android.graphics.Color)	4282232972 (0xFF3DB08C)
YUV	137.5110, 1.2271, -67.1001
Hunter-Lab	58.2548, -33.9731, 10.0497

Details

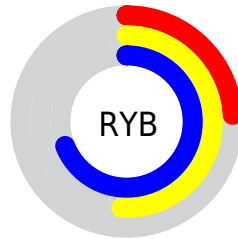
The XYZ color **22.1834, 33.9362, 30.1921** is a dark color, and the websafe version is hex **66CC99**. A complement of this color would be **21.7320, 13.4315, 12.7576**, and the grayscale version is **23.9832, 25.2322, 27.4779**.

A 20% lighter version of the original color is **46.4794, 65.6732, 61.2654**, and **8.9284, 14.9041, 12.0791** is the 20% darker color. If you saturate the color by 10%, you get **20.8766, 33.3092, 28.0634**, and if you desaturate by 10%, it is **23.8679, 34.7573, 32.4461**.

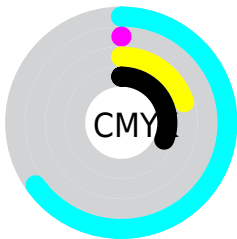
Distribution



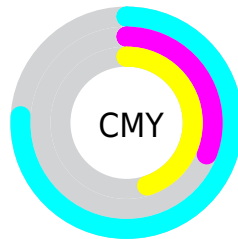
- Red (24%)
- Green (69%)
- Blue (55%)



- Red (24%)
- Yellow (51%)
- Blue (69%)



- Cyan (65%)
- Magenta (0%)
- Yellow (20%)
- Black (31%)





- Cyan (76%)
- Magenta (31%)
- Yellow (45%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 22.1834, 33.9362, 30.1921 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 22.1834, 33.9362, 30.1921 by changing the saturation by 10% instead.


 22.1834, 33.9362,
30.1921


 22.1834, 33.9362,
30.1921


256.1169,
319.8475, 317.0340


 14.1091, 22.8446,
19.7312


 46.5255, 65.8344,
61.0304

 8.2788, 14.4788,
12.0176

 63.5240, 87.4099,
82.2449


 4.3271, 8.4544,
6.6330


 84.2280, 113.2487,
107.8810

 1.8888, 4.3871,
3.1587

 109.0028,
143.7353, 138.3571

 0.5703, 1.8924,
1.1762

 138.2137,
179.2541, 174.0920

 0.0000, 0.5438,
0.0000

172.2261,

 0.0000, 0.0000,

220.1894, 215.5041

0.0000

211.4054,
266.9258, 263.0119

■ 22.1834, 33.9362,
30.1921

■ 22.1834, 33.9362,
30.1921

■ 20.8766, 33.3092,
28.0634

■ 23.8679, 34.7573,
32.4461

■ 19.9081, 32.8534,
26.0546

■ 25.9589, 35.7848,
34.8262

■ 19.2334, 32.5467,
24.1625

■ 28.4858, 37.0345,
37.3359

■ 18.9712, 32.4300,
23.3180

■ 31.4740, 38.5196,
39.9778

■ 34.9474, 40.2523,
42.7544

■ 38.9277, 42.2439,
45.6683

■ 43.4357, 44.5049,
48.7216

■ 48.4907, 47.0454,
51.9167

■ 54.1112, 49.8748,
55.2558

Harmonies

Analogous

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



24.4216, 33.9362, 18.7046



22.1834, 33.9362, 30.1921



22.3870, 33.9362, 47.8842

Triad

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



22.1834, 33.9362, 30.1921



35.8759, 33.9362, 78.6852



40.7694, 33.9362, 17.4393

Complementary

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



22.1834, 33.9362, 30.1921



21.7320, 13.4315, 12.7576

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.



44.6660, 33.9362, 27.8228



22.1834, 33.9362, 30.1921



41.6073, 33.9362, 64.3358

Square

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



22.1834, 33.9362, 30.1921



29.7999, 33.9362, 79.9269



44.9905, 33.9362, 44.6495



34.8421, 33.9362, 13.0431

Rectangle

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



22.1834, 33.9362, 30.1921



23.8799, 33.9362, 61.1448



44.9905, 33.9362, 44.6495



42.3906, 33.9362, 20.1653

Sweetspot

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



22.1843, 33.9375, 30.1929



60.1119, 71.3698, 74.9855



21.3430, 33.9533, 9.8441



12.6606, 15.2842, 15.9536



84.5950, 89.0005, 96.9216



16.2198, 17.0645, 18.5832

Same Dimension

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



22.1843, 33.9375, 30.1929



37.0849, 60.0413, 49.4033



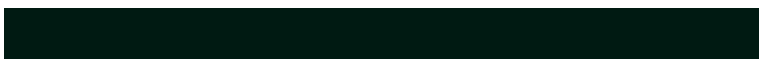
21.4694, 27.5429, 45.2606



8.6271, 9.5854, 10.2962



13.9463, 23.8045, 17.2518



0.4637, 0.7589, 0.6738

Inverse Universe

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



21.7320, 13.4315, 12.7576



36.2637, 20.1154, 15.7521



21.7714, 15.6151, 6.2819



8.6023, 8.5476, 9.4042



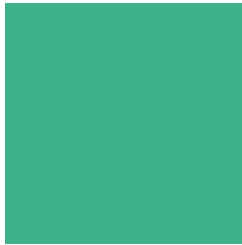
13.6683, 6.9849, 3.4131



0.4571, 0.2306, 0.2497

Previews

White Background



This preview shows how the XYZ color 22.1834, 33.9362, 30.1921 looks on a white background.

Color Contrast Check

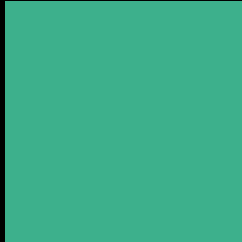
Large Text (above 18pt) WCAG AA × Fail

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 22.1834, 33.9362, 30.1921 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

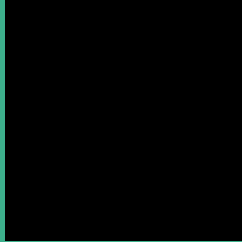
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 22.1834, 33.9362, 30.1921

Background



This preview shows how black text looks on a background with the XYZ color 22.1834, 33.9362, 30.1921.



This preview shows how white text looks on a background with the XYZ color 22.1834, 33.9362,

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

22.1834, 33.9362, 30.1921

Protanopia

31.4348, 33.3880, 25.9068

Deuteranopia

33.8566, 33.2915, 31.4295



Tritanopia

26.2509, 33.8724, 50.5019

Trichromacy



Original Color

22.1834, 33.9362, 30.1921



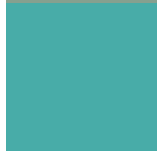
Protanomaly

26.1527, 32.4276, 27.4350



Deuteranomaly

27.3602, 32.1931, 30.7585



Tritanomaly

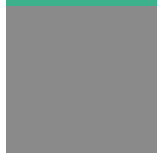
24.4929, 33.7099, 42.2615

Monochromacy



Original Color

22.1834, 33.9362, 30.1921



Achromatopsia

24.1572, 25.4152, 27.6772



Achromatomaly

22.3188, 27.6355, 28.5840

CSS Examples

Text

The CSS property to change the color of the text to XYZ 22.1834, 33.9362, 30.1921 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(61, 176, 140)` looks like.

```
.text, #text, p{  
    color:rgb(61, 176, 140)  
}
```

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(61, 176, 140) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(61, 176, 140) }
```

Border

The CSS property to change the border of an element to XYZ 22.1834, 33.9362, 30.1921 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(61, 176, 140) }
```


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

```
.border{ border-color:rgb(61, 176, 140) }
```

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

Here you see how a box with a 4 pixel `rgb(61, 176, 140)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(61, 176, 140); -webkit-box-  
shadow:4px 4px 4px 4px rgb(61, 176, 140);  
box-shadow:4px 4px 4px 4px rgb(61, 176,  
140) }
```

Background

The CSS property to change the background color of an element to XYZ 22.1834, 33.9362, 30.1921 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(61, 176, 140) }
```

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

```
.background{ background-color: rgb(61, 176,  
140) }
```

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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