

Converting Colors

XYZ(22.3414, 35.8485, 30.0439)

Have a look what the booklet for
XYZ(22.3414, 35.8485, 30.0439)
contains.

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Color

**XYZ(22.3430, 35.8122,
30.1609)**

Conversions

Conversions Part 1

Format	Color
Hex	2AB68B
RGB	42, 182, 139
RGB Percent	16%, 71%, 55%
CMY	0.8353, 0.2863, 0.4549
CMYK	0.77, 0.00, 0.24, 0.29
HSL	162°, 62%, 44%
HSV	162°, 77%, 71%
XYZ	22.3430, 35.8122, 30.1609
YIQ	135.2380, -69.6370, -43.0530

Conversions

Conversions Part 2

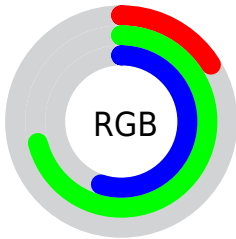
Format	Color
R _Y B	42, 125, 182
Decimal	2799243
CIE Lab	66.38, -46.49, 11.65
CIE LCh	66, 47.926, 165.927
Yxy	35.8122, 0.2530, 0.4055
Android (android.graphics.Color)	4280989323 (0xFF2AB68B)
YUV	135.2380, 1.8547, -81.7697
Hunter-Lab	59.8433, -38.0813, 12.0083

Details

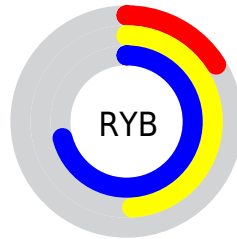
The XYZ color **22.3430, 35.8122, 30.1609** is a dark color, and the websafe version is hex **33CC99**. A complement of this color would be **21.7603, 12.2578, 9.8151**, and the grayscale version is **23.1305, 24.3351, 26.5009**.

A 20% lighter version of the original color is **46.9225, 68.8983, 61.2777**, and **9.5223, 16.1596, 12.0684** is the 20% darker color. If you saturate the color by 10%, you get **21.3628, 35.3538, 28.0375**, and if you desaturate by 10%, it is **23.6840, 36.4560, 32.4118**.

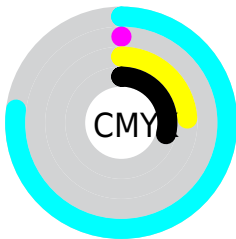
Distribution



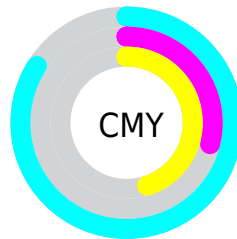
- Red (16%)
- Green (71%)
- Blue (55%)



- Red (16%)
- Yellow (49%)
- Blue (71%)



- Cyan (77%)
- Magenta (0%)
- Yellow (24%)
- Black (29%)





- Cyan (84%)
- Magenta (29%)
- Yellow (45%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 22.3430, 35.8122, 30.1609 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 22.3430, 35.8122, 30.1609 by changing the saturation by 10% instead.


 22.3430, 35.8122,
30.1609


 22.3430, 35.8122,
30.1609


256.9311,
328.1390, 316.8843


 14.2272, 24.2892,
19.7077


 46.7869, 68.7421,
60.9806

 8.3616, 15.5483,
12.0008


 63.8457, 90.9178,
82.1840


 4.3809, 9.2051,
6.6216


 84.6161, 117.4131,
107.8080

 1.9198, 4.8752,
3.1518

 109.4636,
148.6126, 138.2711

 0.5883, 2.1742,
1.1727

 138.7535,
184.9005, 173.9917

 0.0000, 0.7059,
0.0000

172.8512,

 0.0000, 0.0000,

226.6613, 215.3884

0.0000

212.1219,
274.2793, 262.8798

■ 22.3430, 35.8122,
30.1609

■ 22.3430, 35.8122,
30.1609

■ 21.3628, 35.3538,
28.0375

■ 23.6840, 36.4560,
32.4118

■ 20.6832, 35.0471,
26.0349

■ 25.4236, 37.3019,
34.7912

■ 20.5008, 34.9660,
25.4407

■ 27.5981, 38.3696,
37.3032

■ 30.2386, 39.6750,
39.9507

■ 33.3734, 41.2326,
42.7365

■ 37.0285, 43.0559,
45.6632

■ 41.2279, 45.1571,
48.7336

■ 45.9943, 47.5480,
51.9499

■ 51.3488, 50.2395,
55.3146

Harmonies

Analogous

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



25.0652, 35.8122, 17.4767



22.3430, 35.8122, 30.1609



22.4303, 35.8122, 50.8593

Triad

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



22.3430, 35.8122, 30.1609



37.9624, 35.8122, 90.6012



44.5539, 35.8122, 16.9532

Complementary

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



22.3430, 35.8122, 30.1609



21.7603, 12.2578, 9.8151

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.



49.0872, 35.8122, 29.1335



22.3430, 35.8122, 30.1609



44.9322, 35.8122, 73.3993

Square

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



22.3430, 35.8122, 30.1609



30.7957, 35.8122, 91.1822



49.2346, 35.8122, 49.4011



37.5012, 35.8122, 11.8695

Rectangle

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



22.3430, 35.8122, 30.1609



24.0528, 35.8122, 67.0431



49.2346, 35.8122, 49.4011



46.4639, 35.8122, 20.1153

Sweetspot

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



22.3440, 35.8136, 30.1617



62.7332, 75.8626, 79.3220



21.0156, 35.6189, 7.9586



13.3527, 16.5051, 17.1036



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.



22.3440, 35.8136, 30.1617



37.8641, 63.7008, 48.3966



21.3440, 27.7601, 48.4909



9.1460, 10.1624, 10.9263



14.5077, 24.7040, 18.1273



0.5377, 0.8814, 0.7775

Inverse Universe

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



21.7603, 12.2578, 9.8151



36.8868, 19.1668, 10.5569



21.7575, 14.2074, 3.7867



9.1152, 9.0564, 9.9539



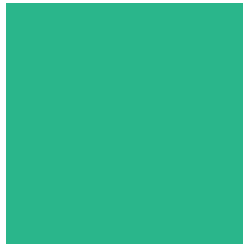
14.1523, 7.2347, 3.4230



0.5275, 0.2665, 0.2710

Previews

White Background



This preview shows how the XYZ color 22.3430, 35.8122, 30.1609 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 22.3430, 35.8122, 30.1609 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

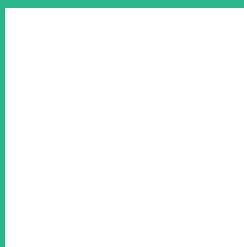
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 22.3430, 35.8122, 30.1609

Background



This preview shows how black text looks on a background with the XYZ color 22.3430, 35.8122, 30.1609.

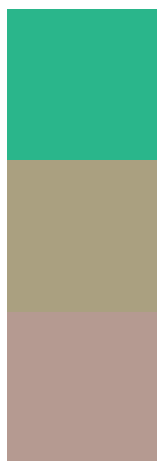


This preview shows how white text looks on a background with the XYZ color 22.3430, 35.8122,

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

22.3430, 35.8122, 30.1609

Protanopia

33.0447, 35.2462, 25.4836

Deuteranopia

35.7225, 34.9793, 31.6570



Tritanopia

27.0785, 35.6429, 54.1678

Trichromacy



Original Color

22.3430, 35.8122, 30.1609



Protanomaly

26.3359, 33.8822, 26.9817



Deuteranomaly

27.4393, 33.2799, 30.9641



Tritanomaly

25.0747, 35.7109, 44.0994

Monochromacy



Original Color

22.3430, 35.8122, 30.1609



Achromatopsia

23.0288, 24.2281, 26.3844



Achromatomaly

21.0390, 27.0007, 27.3953

CSS Examples

Text

The CSS property to change the color of the text to XYZ 22.3430, 35.8122, 30.1609 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(42, 182, 139)` looks like.

```
.text, #text, p{  
    color:rgb(42, 182, 139)  
}
```

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(42, 182, 139) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(42, 182, 139) }
```

Border

The CSS property to change the border of an element to XYZ 22.3430, 35.8122, 30.1609 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(42, 182, 139) }
```


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

```
.border{ border-color:rgb(42, 182, 139) }
```

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

Here you see how a box with a 4 pixel `rgb(42, 182, 139)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(42, 182, 139); -webkit-box-  
shadow:4px 4px 4px 4px rgb(42, 182, 139);  
box-shadow:4px 4px 4px 4px rgb(42, 182,  
139) }
```

Background

The CSS property to change the background color of an element to XYZ 22.3430, 35.8122, 30.1609 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(42, 182, 139) }
```

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

```
.background{ background-color: rgb(42, 182,  
139) }
```

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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