

Converting Colors

XYZ(21.3951, 35.9337, 22.3419)

Have a look what the booklet for
XYZ(21.3951, 35.9337, 22.3419)
contains.

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Color

**XYZ(21.3048, 35.7563,
22.3018)**

Conversions

Conversions Part 1

Format	Color
Hex	30B774
RGB	48, 183, 116
RGB Percent	19%, 72%, 45%
CMY	0.8118, 0.2823, 0.5451
CMYK	0.74, 0.00, 0.37, 0.28
HSL	150°, 58%, 45%
HSV	150°, 74%, 72%
XYZ	21.3048, 35.7563, 22.3018
YIQ	134.9970, -58.9530, -49.4570

Conversions

Conversions Part 2

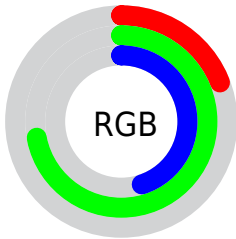
Format	Color
RYB	48, 138, 183
Decimal	3192692
CIELab	66.33, -51.16, 24.06
CIELCh	66, 56.534, 154.812
Yxy	35.7563, 0.2684, 0.4505
Android (android.graphics.Color)	4281382772 (0xFF30B774)
YUV	134.9970, -9.3655, -76.2964
Hunter-Lab	59.7966, -41.0466, 19.7447

Details

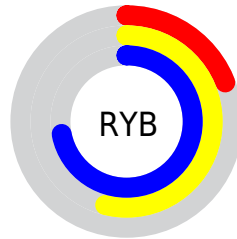
The XYZ color **21.3048, 35.7563, 22.3018** is a dark color, and the websafe version is hex **33CC99**. A complement of this color would be **23.6811, 13.4198, 17.5632**, and the grayscale version is **23.0782, 24.2801, 26.4410**.

A 20% lighter version of the original color is **45.0380, 68.6580, 47.9244**, and **8.8634, 16.1058, 7.9518** is the 20% darker color. If you saturate the color by 10%, you get **20.1105, 35.1997, 19.6220**, and if you desaturate by 10%, it is **22.9085, 36.5199, 25.2720**.

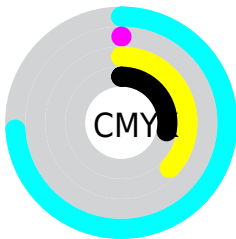
Distribution



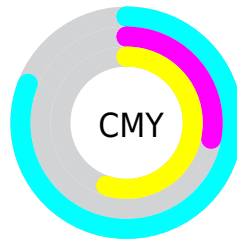
- Red (19%)
- Green (72%)
- Blue (45%)



- Red (19%)
- Yellow (54%)
- Blue (72%)



- Cyan (74%)
- Magenta (0%)
- Yellow (37%)
- Black (28%)





- Cyan (81%)
- Magenta (28%)
- Yellow (55%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.3048, 35.7563, 22.3018 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 21.3048, 35.7563, 22.3018 by changing the saturation by 10% instead.


 21.3048, 35.7563,
22.3018


 21.3048, 35.7563,
22.3018


251.5951,
327.8941, 277.1231


 13.4607, 24.2460,
13.8784


 45.0817, 68.6558,
48.1529


 7.8257, 15.5162,
7.8984

 61.7453, 90.8137,
66.4176


 4.0345, 9.1825,
3.9431


 82.0793, 117.2898,
88.7999

 1.7217, 4.8604,
1.5942

 106.4493,
148.4682, 115.7182

 0.4698, 2.1656,
0.2867

 135.2205,
184.7335, 147.5912

 0.0000, 0.7011,
0.0000

168.7583,

 0.0000, 0.0000,

226.4699, 184.8373

0.0000

207.4280,
274.0620, 227.8751

■ 21.3048, 35.7563,
22.3018

■ 21.3048, 35.7563,
22.3018

■ 20.1105, 35.1997,
19.6220

■ 22.9085, 36.5199,
25.2720

■ 19.2745, 34.8210,
17.2202

■ 24.9593, 37.5070,
28.5395

■ 18.8737, 34.6441,
15.8582

■ 27.4936, 38.7369,
32.1138

■ 30.5428, 40.2259,
36.0032

■ 34.1358, 41.9887,
40.2158

■ 38.2993, 44.0388,
44.7591

■ 43.0580, 46.3889,
49.6405

■ 48.4353, 49.0509,
54.8672

■ 54.4532, 52.0360,
60.4459

Harmonies

Analogous

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



25.5309, 35.7563, 11.8685



21.3048, 35.7563, 22.3018



20.2340, 35.7563, 42.9661

Triad

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



21.3048, 35.7563, 22.3018



35.3660, 35.7563, 106.1115



49.1404, 35.7563, 17.9577

Complementary

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



21.3048, 35.7563, 22.3018



23.6811, 13.4198, 17.5632

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.



52.8749, 35.7563, 35.1597



21.3048, 35.7563, 22.3018



44.1262, 35.7563, 90.9715

Square

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



21.3048, 35.7563, 22.3018



27.5310, 35.7563, 98.0164



50.9032, 35.7563, 62.2741



41.3769, 35.7563, 10.1875

Rectangle

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



21.3048, 35.7563, 22.3018



21.2718, 35.7563, 61.8959



50.9032, 35.7563, 62.2741



50.9622, 35.7563, 22.4935

Sweetspot

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



21.3057, 35.7577, 22.3026



62.1197, 75.6827, 73.1308



24.6043, 37.7608, 8.7884



13.3068, 16.5127, 15.6853



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.



21.3057, 35.7577, 22.3026



34.9480, 62.5529, 32.2048



26.7008, 37.9158, 50.7127



9.0740, 10.1336, 10.5469



13.2008, 24.1813, 11.2453



0.4966, 0.8649, 0.5608

Inverse Universe

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



23.6811, 13.4198, 17.5632



39.4323, 20.4073, 23.2761



21.1199, 12.3953, 4.0761



9.1854, 9.0845, 10.3240



14.9700, 7.5618, 7.7289



0.5590, 0.2791, 0.4371

Previews

White Background



This preview shows how the XYZ color 21.3048, 35.7563, 22.3018 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 21.3048, 35.7563, 22.3018 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 21.3048, 35.7563, 22.3018

Background



This preview shows how black text looks on a background with the XYZ color 21.3048, 35.7563, 22.3018.



This preview shows how white text looks on a background with the XYZ color 21.3048, 35.7563,

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

21.3048, 35.7563, 22.3018

Protanopia

32.6279, 35.1809, 18.7066

Deuteranopia

35.7054, 34.9039, 23.5941



Tritanopia

27.3550, 35.5226, 52.9917

Trichromacy



Original Color

21.3048, 35.7563, 22.3018



Protanomaly

25.7192, 33.7202, 19.9050



Deuteranomaly

26.9822, 33.2254, 22.7603



Tritanomaly

24.5585, 35.2462, 39.6913

Monochromacy



Original Color

21.3048, 35.7563, 22.3018



Achromatopsia

23.0288, 24.2281, 26.3844



Achromatomaly

20.7180, 26.8986, 24.5221

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.3048, 35.7563, 22.3018 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(48, 183, 116)` looks like.

```
.text, #text, p{  
  color:rgb(48, 183, 116)  
}
```

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(48, 183, 116) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(48, 183, 116) }
```

Border

The CSS property to change the border of an element to XYZ 21.3048, 35.7563, 22.3018 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(48, 183, 116) }
```


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

```
.border{ border-color:rgb(48, 183, 116) }
```

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

Here you see how a box with a 4 pixel `rgb(48, 183, 116)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(48, 183, 116); -webkit-box-  
shadow:4px 4px 4px 4px rgb(48, 183, 116);  
box-shadow:4px 4px 4px 4px rgb(48, 183,  
116) }
```

Background

The CSS property to change the background color of an element to XYZ 21.3048, 35.7563, 22.3018 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(48, 183, 116) }
```

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

```
.background{ background-color: rgb(48, 183,  
116) }
```

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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