

Converting Colors

XYZ(21.2349, 37.6101, 22.0599)

Have a look what the booklet for
XYZ(21.2349, 37.6101, 22.0599)
contains.

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Color

**XYZ(21.2349, 37.6101,
22.0599)**

Conversions

Conversions Part 1

Format	Color
Hex	00BD72
RGB	0, 189, 114
RGB Percent	0%, 74%, 45%
CMY	0.9999, 0.2588, 0.5529
CMYK	1.00, 0.00, 0.40, 0.26
HSL	156°, 100%, 37%
HSV	156°, 100%, 74%
XYZ	21.2349, 37.6101, 22.0599
YIQ	123.9390, -88.5690, -63.3930

Conversions

Conversions Part 2

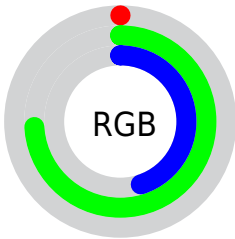
Format	Color
RYB	0, 118, 189
Decimal	48498
CIELab	67.73, -57.52, 26.90
CIELCh	68, 63.500, 154.936
Yxy	37.6101, 0.2625, 0.4649
Android (android.graphics.Color)	4278238578 (0xFF00BD72)
YUV	123.9390, -4.8999, -108.6945
Hunter-Lab	61.3271, -45.5156, 21.6018

Details

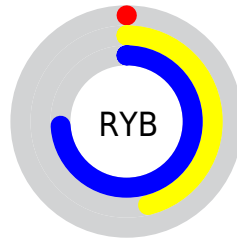
The XYZ color **21.2349, 37.6101, 22.0599** is a dark color, and the websafe version is hex **33CC66**. A complement of this color would be **22.2578, 11.3278, 7.6731**, and the grayscale version is **19.1769, 20.1756, 21.9713**.

A 20% lighter version of the original color is **44.7685, 71.2061, 47.4610**, and **9.4792, 17.4318, 7.8661** is the 20% darker color. If you saturate the color by 10%, you get **21.2353, 37.6113, 22.0588**, and if you desaturate by 10%, it is **21.9473, 37.9270, 24.4152**.

Distribution



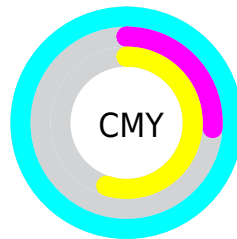
- Red (0%)
- Green (74%)
- Blue (45%)



- Red (0%)
- Yellow (46%)
- Blue (74%)



- Cyan (100%)
- Magenta (0%)
- Yellow (40%)
- Black (26%)



- Cyan (100%)
- Magenta (26%)
- Yellow (55%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.2349, 37.6101, 22.0599 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 21.2349, 37.6101, 22.0599 by changing the saturation by 10% instead.

■ 21.2349, 37.6101,
22.0599

■ 21.2349, 37.6101,
22.0599

251.2324,
335.9444, 275.8226

■ 13.4093, 25.6802,
13.7022

■ 44.9665, 71.5101,
47.7484

■ 7.7899, 16.5846,
7.7774

■ 61.6031, 94.2491,
65.9163

■ 4.0115, 9.9387,
3.8671

■ 81.9075, 121.3598,
88.1914

■ 1.7086, 5.3584,
1.5527

■ 106.2449,
153.2268, 114.9921

■ 0.4617, 2.4590,
0.2568

■ 134.9808,
190.2343, 146.7371

■ 0.0000, 0.8560,
0.0000

■ 168.4804,

■ 0.0000, 0.0000,

232.7668, 183.8448

0.0000

207.1091,
281.2087, 226.7338

■ 21.2349, 37.6101,
22.0599

■ 21.2349, 37.6101,
22.0599

■ 21.2353, 37.6113,
22.0588

■ 21.9473, 37.9270,
24.4152

■ 22.9536, 38.3902,
26.9705

■ 24.3494, 39.0501,
29.7350

■ 26.1829, 39.9312,
32.7152

■ 28.4948, 41.0546,
35.9166

■ 31.3209, 42.4385,
39.3446

■ 34.6935, 44.0997,
43.0045

■ 38.6423, 46.0532,
46.9011

■ 43.1945, 48.3130,
51.0391

Harmonies

Analogous

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



25.9942, 37.6101, 10.7055



21.2349, 37.6101, 22.0599



20.0515, 37.6101, 45.7790

Triad

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



21.2349, 37.6101, 22.0599



37.3956, 37.6101, 121.8270



53.5536, 37.6101, 17.1460

Complementary

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



21.2349, 37.6101, 22.0599



22.2578, 11.3278, 7.6731

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.



58.0333, 37.6101, 36.4749



21.2349, 37.6101, 22.0599



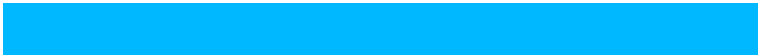
47.6778, 37.6101, 103.1442

Square

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



21.2349, 37.6101, 22.0599



28.3351, 37.6101, 111.9936



55.7076, 37.6101, 68.3731



44.3509, 37.6101, 8.9147

Rectangle

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



21.2349, 37.6101, 22.0599



21.2224, 37.6101, 68.2199



55.7076, 37.6101, 68.3731



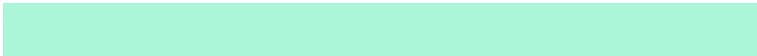
55.7314, 37.6101, 22.1321

Sweetspot

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



21.2359, 37.6116, 22.0608



61.8151, 78.8223, 76.6882



21.1481, 37.9172, 6.2046



12.7236, 16.6696, 15.8881



90.7827, 95.5105, 104.0109



18.6292, 19.5994, 21.3438

Same Dimension

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



21.2359, 37.6116, 22.0608



37.9095, 67.3109, 38.8658



23.5802, 32.4630, 53.1691



9.6439, 10.7437, 11.3740



14.3257, 25.3206, 15.0440



0.5926, 1.0044, 0.7547

Inverse Universe

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



22.2578, 11.3278, 7.6731



39.7512, 20.2424, 13.1583



21.2186, 11.2821, 1.0598



9.6828, 9.5974, 10.7185



15.0103, 7.6353, 5.3477



0.6203, 0.3120, 0.3800

Previews

White Background



This preview shows how the XYZ color 21.2349, 37.6101, 22.0599 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 21.2349, 37.6101, 22.0599 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 21.2349, 37.6101, 22.0599

Background



This preview shows how black text looks on a background with the XYZ color 21.2349, 37.6101, 22.0599.



This preview shows how white text looks on a background with the XYZ color 21.2349, 37.6101,

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

21.2349, 37.6101, 22.0599

Protanopia

34.1342, 37.0154, 18.4423

Deuteranopia

37.5005, 36.8319, 23.2219



Tritanopia

28.2416, 37.3642, 56.7625

Trichromacy



Original Color

21.2349, 37.6101, 22.0599



Protanomaly

24.4604, 34.4806, 19.5536



Deuteranomaly

25.6264, 33.8949, 22.3313



Tritanomaly

24.7213, 37.0972, 41.4548

Monochromacy



Original Color

21.2349, 37.6101, 22.0599



Achromatopsia

19.1579, 20.1556, 21.9495



Achromatomaly

17.2045, 24.1981, 21.5332

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.2349, 37.6101, 22.0599 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(0, 189, 114)` looks like.

```
.text, #text, p{  
    color:rgb(0, 189, 114)  
}
```

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(0, 189, 114) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 189, 114) }
```

Border

The CSS property to change the border of an element to XYZ 21.2349, 37.6101, 22.0599 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(0, 189, 114) }
```


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

```
.border{ border-color:rgb(0, 189, 114) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 189, 114)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 189, 114); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 189, 114);  
box-shadow:4px 4px 4px 4px rgb(0, 189,  
114) }
```

Background

The CSS property to change the background color of an element to XYZ 21.2349, 37.6101, 22.0599 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 189, 114) }
```

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

```
.background{ background-color: rgb(0, 189,  
114) }
```

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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