

Converting Colors

XYZ(21.5546, 34.6020, 22.4600)

Have a look what the booklet for
XYZ(21.5546, 34.6020, 22.4600)
contains.

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Color

**XYZ(21.5778, 34.6828,
22.3868)**

Conversions

Conversions Part 1

Format	Color
Hex	42B375
RGB	66, 179, 117
RGB Percent	26%, 70%, 46%
CMY	0.7412, 0.2980, 0.5412
CMYK	0.63, 0.00, 0.35, 0.30
HSL	147°, 46%, 48%
HSV	147°, 63%, 70%
XYZ	21.5778, 34.6828, 22.3868
YIQ	138.1450, -47.4460, -43.2380

Conversions

Conversions Part 2

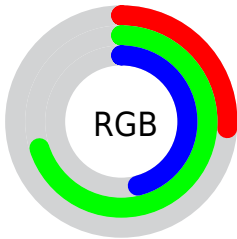
Format	Color
RYB	66, 144, 179
Decimal	4371317
CIELab	65.50, -46.28, 22.48
CIELCh	66, 51.448, 154.096
Yxy	34.6828, 0.2744, 0.4410
Android (android.graphics.Color)	4282561397 (0xFF42B375)
YUV	138.1450, -10.4245, -63.2712
Hunter-Lab	58.8921, -37.6596, 18.6864

Details

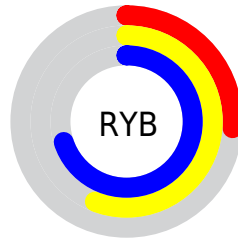
The XYZ color **21.5778, 34.6828, 22.3868** is a dark color, and the websafe version is hex **339966**. A complement of this color would be **24.4361, 15.0395, 22.0386**, and the grayscale version is **24.2652, 25.5289, 27.8010**.

A 20% lighter version of the original color is **45.6143, 67.2155, 48.1059**, and **8.3770, 15.0846, 7.9389** is the 20% darker color. If you saturate the color by 10%, you get **20.0078, 33.9377, 19.4558**, and if you desaturate by 10%, it is **23.5875, 35.6495, 25.6563**.

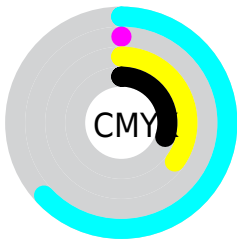
Distribution



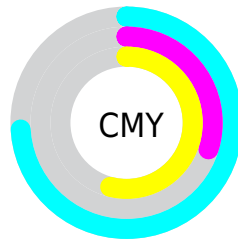
- Red (26%)
- Green (70%)
- Blue (46%)



- Red (26%)
- Yellow (56%)
- Blue (70%)



- Cyan (63%)
- Magenta (0%)
- Yellow (35%)
- Black (30%)





- Cyan (74%)
- Magenta (30%)
- Yellow (54%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 21.5778, 34.6828, 22.3868 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 21.5778, 34.6828, 22.3868 by changing the saturation by 10% instead.


 21.5778, 34.6828,
22.3868


 21.5778, 34.6828,
22.3868


253.0075,
323.1660, 277.5787


 13.6619, 23.4186,
13.9404


 45.5313, 66.9941,
48.2948


 7.9660, 14.9029,
7.9409


 62.2995, 88.8100,
66.5935


 4.1248, 8.7513,
3.9699


 82.7492, 114.9119,
89.0133

 1.7730, 4.5793,
1.6089

 107.2458,
145.6843, 115.9728

 0.5013, 2.0026,
0.2971

 136.1545,
181.5115, 147.8906

 0.0000, 0.6090,
0.0000

169.8408,

 0.0000, 0.0000,

222.7779, 185.1852

0.0000

208.6700,
269.8680, 228.2750

■ 21.5778, 34.6828,
22.3868

■ 21.5778, 34.6828,
22.3868

■ 20.0078, 33.9377,
19.4558

■ 23.5875, 35.6495,
25.6563

■ 18.8365, 33.3903,
16.8493

■ 26.0679, 36.8508,
29.2726

■ 18.0189, 33.0187,
14.5558

■ 29.0502, 38.3033,
33.2470

■ 17.5979, 32.8323,
13.1525

■ 32.5618, 40.0211,
37.5893

■ 36.6284, 42.0173,
42.3089

■ 41.2737, 44.3038,
47.4149

■ 46.5202, 46.8921,
52.9161

■ 52.3889, 49.7930,
58.8210

■ 58.9001, 53.0165,
65.1377

Harmonies

Analogous

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



25.4943, 34.6828, 12.7767



21.5778, 34.6828, 22.3868



20.5262, 34.6828, 40.8045

Triad

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



21.5778, 34.6828, 22.3868



34.0103, 34.6828, 96.0850



46.4719, 34.6828, 18.9573

Complementary

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



21.5778, 34.6828, 22.3868



24.4361, 15.0395, 22.0386

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.



49.6242, 34.6828, 34.8778



21.5778, 34.6828, 22.3868



41.7688, 34.6828, 83.5791

Square

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



21.5778, 34.6828, 22.3868



27.0339, 34.6828, 88.7123



47.7847, 34.6828, 58.9373



39.7056, 34.6828, 11.3914

Rectangle

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



21.5778, 34.6828, 22.3868



21.4325, 34.6828, 57.3555



47.7847, 34.6828, 58.9373



48.0325, 34.6828, 23.2344

Sweetspot

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



21.5787, 34.6842, 22.3876



60.9678, 72.9748, 70.4557



26.0293, 37.2359, 10.9701



13.0670, 15.9516, 15.0903



86.6293, 91.1408, 99.2523



17.0014, 17.8868, 19.4787

Same Dimension

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



21.5787, 34.6842, 22.3876



34.8777, 60.3306, 32.8338



25.9448, 36.4306, 45.3789



8.5431, 9.5517, 9.8536



12.4670, 23.2128, 9.4620



0.4218, 0.7422, 0.4533

Inverse Universe

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



24.4361, 15.0395, 22.0386



40.3992, 22.2448, 32.0667



21.6979, 13.9443, 7.6197



8.6849, 8.5807, 9.8391



14.7351, 7.4116, 9.0309



0.4925, 0.2448, 0.4364

Previews

White Background



This preview shows how the XYZ color 21.5778, 34.6828, 22.3868 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 21.5778, 34.6828, 22.3868 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 21.5778, 34.6828, 22.3868

Background



This preview shows how black text looks on a background with the XYZ color 21.5778, 34.6828, 22.3868.



This preview shows how white text looks on a background with the XYZ color 21.5778, 34.6828, 22.3868.

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

21.5778, 34.6828, 22.3868

Protanopia

31.7282, 34.1944, 19.1153

Deuteranopia

34.8110, 34.2008, 23.5056



Tritanopia

27.2391, 34.6612, 50.6020

Trichromacy



Original Color

21.5778, 34.6828, 22.3868



Protanomaly

26.1783, 33.4067, 20.1073



Deuteranomaly

27.5268, 32.9719, 23.0026



Tritanomaly

24.7895, 34.5156, 38.6133

Monochromacy



Original Color

21.5778, 34.6828, 22.3868



Achromatopsia

24.1572, 25.4152, 27.6772



Achromatomaly

22.1026, 27.8389, 25.3276

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.5778, 34.6828, 22.3868 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(66, 179, 117)` looks like.

```
.text, #text, p{  
    color:rgb(66, 179, 117)  
}
```

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(66, 179, 117) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(66, 179, 117) }
```

Border

The CSS property to change the border of an element to XYZ 21.5778, 34.6828, 22.3868 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(66, 179, 117) }
```


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

```
.border{ border-color:rgb(66, 179, 117) }
```

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

Here you see how a box with a 4 pixel `rgb(66, 179, 117)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(66, 179, 117); -webkit-box-  
shadow:4px 4px 4px 4px rgb(66, 179, 117);  
box-shadow:4px 4px 4px 4px rgb(66, 179,  
117) }
```

Background

The CSS property to change the background color of an element to XYZ 21.5778, 34.6828, 22.3868 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(66, 179, 117) }
```

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

```
.background{ background-color: rgb(66, 179,  
117) }
```

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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