

Converting Colors

XYZ(22.2850, 34.0599, 21.6659)

Have a look what the booklet for
XYZ(22.2850, 34.0599, 21.6659)
contains.

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Color

**XYZ(22.3662, 34.2198,
21.6459)**

Conversions

Conversions Part 1

Format	Color
Hex	55B073
RGB	85, 176, 115
RGB Percent	33%, 69%, 45%
CMY	0.6667, 0.3098, 0.5490
CMYK	0.52, 0.00, 0.35, 0.31
HSL	140°, 37%, 51%
HSV	140°, 52%, 69%
XYZ	22.3662, 34.2198, 21.6459
YIQ	141.8370, -34.6550, -38.2630

Conversions

Conversions Part 2

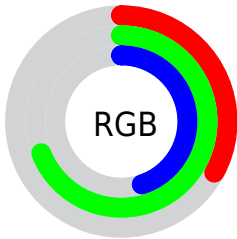
Format	Color
RYB	85, 153, 176
Decimal	5615731
CIELab	65.14, -41.04, 23.16
CIELCh	65, 47.124, 150.557
Yxy	34.2198, 0.2859, 0.4374
Android (android.graphics.Color)	4283805811 (0xFF55B073)
YUV	141.8370, -13.2306, -49.8460
Hunter-Lab	58.4977, -34.1227, 19.0093

Details

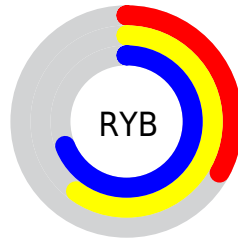
The XYZ color **22.3662, 34.2198, 21.6459** is a dark color, and the websafe version is hex **339966**. A complement of this color would be **26.3425, 17.8032, 29.2435**, and the grayscale version is **25.7079, 27.0468, 29.4539**.

A 20% lighter version of the original color is **46.6469, 66.0787, 46.8551**, and **8.4197, 14.7414, 7.5559** is the 20% darker color. If you saturate the color by 10%, you get **20.3268, 33.2429, 18.2308**, and if you desaturate by 10%, it is **24.8917, 35.4392, 25.5389**.

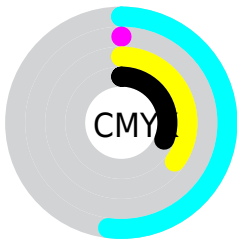
Distribution



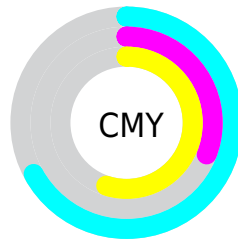
- Red (33%)
- Green (69%)
- Blue (45%)



- Red (33%)
- Yellow (60%)
- Blue (69%)



- Cyan (52%)
- Magenta (0%)
- Yellow (35%)
- Black (31%)



- Cyan (67%)
- Magenta (31%)
- Yellow (55%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 22.3662, 34.2198, 21.6459 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 22.3662, 34.2198, 21.6459 by changing the saturation by 10% instead.

■ 22.3662, 34.2198,
21.6459

■ 22.3662, 34.2198,
21.6459

257.0493,
321.1110, 273.5844

■ 14.2443, 23.0625,
13.4011

■ 46.8249, 66.2753,
47.0547

■ 8.3736, 14.6397,
7.5714

■ 63.8924, 87.9424,
65.0558

■ 4.3888, 8.5669,
3.7381

■ 84.6725, 113.8814,
87.1461

■ 1.9243, 4.4598,
1.4828

■ 109.5305,
144.4769, 113.7441

■ 0.5909, 1.9339,
0.2051

138.8319,
180.1132, 145.2684

■ 0.0000, 0.5687,
0.0000

172.9419,

■ 0.0000, 0.0000,

221.1747, 182.1376

0.0000

212.2259,
268.0459, 224.7700

■ 22.3662, 34.2198,
21.6459

■ 22.3662, 34.2198,
21.6459

■ 20.3268, 33.2429,
18.2308

■ 24.8917, 35.4392,
25.5389

■ 18.7375, 32.4874,
15.2726

■ 27.9307, 36.9119,
29.9250

■ 17.5614, 31.9357,
12.7522

■ 31.5116, 38.6532,
34.8217

■ 16.7541, 31.5652,
10.6480

■ 35.6600, 40.6761,
40.2448

■ 16.2903, 31.3577,
9.2000

■ 40.3996, 42.9923,
46.2096

■ 45.7530, 45.6133,
52.7306

■ 51.7415, 48.5498,
59.8217

■ 58.3854, 51.8118,
67.4965

■ 65.7039, 55.4091,
75.7680

Harmonies

Analogous

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



26.2881, 34.2198, 13.3309



22.3662, 34.2198, 21.6459



21.0696, 34.2198, 37.6266

Triad

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



22.3662, 34.2198, 21.6459



32.6528, 34.2198, 89.0195



45.2114, 34.2198, 21.2077

Complementary

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



22.3662, 34.2198, 21.6459



26.3425, 17.8032, 29.2435

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.



47.5231, 34.2198, 36.8949



22.3662, 34.2198, 21.6459



39.6775, 34.2198, 80.0002

Square

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



22.3662, 34.2198, 21.6459



26.4806, 34.2198, 80.6107



45.3707, 34.2198, 59.0032



39.4254, 34.2198, 13.1473

Rectangle

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



22.3662, 34.2198, 21.6459



21.7021, 34.2198, 52.1069



45.3707, 34.2198, 59.0032



46.4540, 34.2198, 25.5401

Sweetspot

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



22.3671, 34.2212, 21.6467



61.0997, 72.0265, 68.3672



29.2318, 37.9282, 14.3749



12.9179, 15.4517, 14.3925



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.



22.3671, 34.2212, 21.6467



36.4193, 60.0766, 32.2738



25.5583, 35.4977, 38.4512



8.5007, 9.5348, 9.6302



11.9765, 23.0166, 6.8789



0.4045, 0.7353, 0.3620

Inverse Universe

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



26.3425, 17.8032, 29.2435



44.4029, 26.9928, 47.4473



23.5366, 16.6809, 14.4680



8.7285, 8.5981, 10.0688



15.5631, 7.7428, 13.3911



0.5153, 0.2538, 0.5560

Previews

White Background



This preview shows how the XYZ color 22.3662, 34.2198, 21.6459 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 22.3662, 34.2198, 21.6459 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 22.3662, 34.2198, 21.6459

Background



This preview shows how black text looks on a background with the XYZ color 22.3662, 34.2198, 21.6459.



This preview shows how white text looks on a background with the XYZ color 22.3662, 34.2198,

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

22.3662, 34.2198, 21.6459

Protanopia

31.2884, 33.7215, 18.7697

Deuteranopia

34.2850, 33.7040, 22.7877



Tritanopia

27.8226, 34.1662, 48.8444

Trichromacy



Original Color

22.3662, 34.2198, 21.6459

Protanomaly

26.7374, 33.1657, 19.7443

Deuteranomaly

28.1133, 32.7694, 22.2962

Tritanomaly

25.4726, 34.0469, 37.1275

Monochromacy



Original Color

22.3662, 34.2198, 21.6459

Achromatopsia

25.7108, 27.0498, 29.4572

Achromatomaly

23.6056, 28.8421, 26.1527

CSS Examples

Text

The CSS property to change the color of the text to XYZ 22.3662, 34.2198, 21.6459 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(85, 176, 115)` looks like.

```
.text, #text, p{  
    color:rgb(85, 176, 115)  
}
```

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(85, 176, 115) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(85, 176, 115) }
```

Border

The CSS property to change the border of an element to XYZ 22.3662, 34.2198, 21.6459 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(85, 176, 115) }
```


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

```
.border{ border-color:rgb(85, 176, 115) }
```

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

Here you see how a box with a 4 pixel `rgb(85, 176, 115)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(85, 176, 115); -webkit-box-  
shadow:4px 4px 4px 4px rgb(85, 176, 115);  
box-shadow:4px 4px 4px 4px rgb(85, 176,  
115) }
```

Background

The CSS property to change the background color of an element to XYZ 22.3662, 34.2198, 21.6459 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(85, 176, 115) }
```

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

```
.background{ background-color: rgb(85, 176,  
115) }
```

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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