

Converting Colors

XYZ(22.9442, 34.8809, 22.5265)

Have a look what the booklet for
XYZ(22.9442, 34.8809, 22.5265)
contains.

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Color

**XYZ(22.9226, 34.7785,
22.6443)**

Conversions

Conversions Part 1

Format	Color
Hex	57B176
RGB	87, 177, 118
RGB Percent	34%, 69%, 46%
CMY	0.6588, 0.3059, 0.5372
CMYK	0.51, 0.00, 0.33, 0.31
HSL	141°, 37%, 52%
HSV	141°, 51%, 69%
XYZ	22.9226, 34.7785, 22.6443
YIQ	143.3640, -34.7010, -37.4290

Conversions

Conversions Part 2

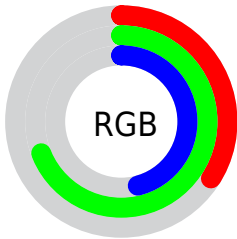
Format	Color
RYB	87, 154, 177
Decimal	5747062
CIELab	65.58, -40.39, 22.15
CIELCh	66, 46.069, 151.256
Yxy	34.7785, 0.2853, 0.4329
Android (android.graphics.Color)	4283937142 (0xFF57B176)
YUV	143.3640, -12.5045, -49.4312
Hunter-Lab	58.9733, -33.8213, 18.5154

Details

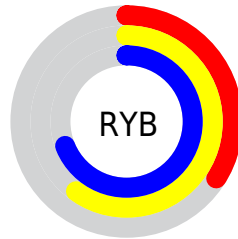
The XYZ color **22.9226, 34.7785, 22.6443** is a dark color, and the websafe version is hex **339966**. A complement of this color would be **26.7290, 18.2395, 29.3071**, and the grayscale version is **26.3131, 27.6834, 30.1472**.

A 20% lighter version of the original color is **47.6449, 66.9689, 48.9432**, and **8.7078, 15.0646, 8.0790** is the 20% darker color. If you saturate the color by 10%, you get **20.8207, 33.7707, 19.1655**, and if you desaturate by 10%, it is **25.5163, 36.0319, 26.5905**.

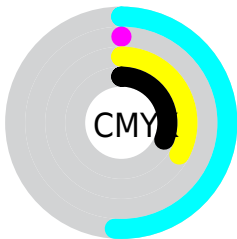
Distribution



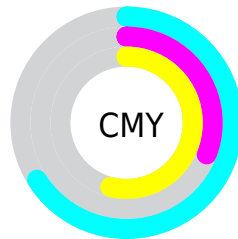
- Red (34%)
- Green (69%)
- Blue (46%)



- Red (34%)
- Yellow (60%)
- Blue (69%)



- Cyan (51%)
- Magenta (0%)
- Yellow (33%)
- Black (31%)





- Cyan (66%)
- Magenta (31%)
- Yellow (54%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 22.9226, 34.7785, 22.6443 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 22.9226, 34.7785, 22.6443 by changing the saturation by 10% instead.


 22.9226, 34.7785,
22.6443


 22.9226, 34.7785,
22.6443

259.8700,
323.5896, 278.9552


 14.6567, 23.4923,
14.1283


 47.7338, 67.1425,
48.7244


 8.6636, 14.9574,
8.0702


 65.0099, 88.9891,
67.1255

 4.5778, 8.7895,
4.0515


 86.0200, 115.1246,
89.6587

 2.0339, 4.6041,
1.6536

 111.1297,
145.9334, 116.7425

 0.6529, 2.0169,
0.3287

140.7041,
181.7999, 148.7956

 0.0000, 0.6173,
0.0000

175.1087,

 0.0000, 0.0000,

223.1085, 186.2364

0.0000

214.7089,
270.2436, 229.4834

■ 22.9226, 34.7785,
22.6443

■ 22.9226, 34.7785,
22.6443

■ 20.8207, 33.7707,
19.1655

■ 25.5163, 36.0319,
26.5905

■ 19.1747, 32.9876,
16.1342

■ 28.6291, 37.5419,
31.0183

■ 17.9479, 32.4115,
13.5324

■ 32.2895, 39.3236,
35.9442

■ 17.0962, 32.0200,
11.3400

■ 36.5230, 41.3901,
41.3834

■ 16.5642, 31.7822,
9.6718

■ 41.3535, 43.7532,
47.3502

■ 46.8035, 46.4244,
53.8583

■ 52.8943, 49.4143,
60.9211

■ 59.6462, 52.7332,
68.5514

■ 67.0787, 56.3907,
76.7617

Harmonies

Analogous

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



26.7623, 34.7785, 14.1339



22.9226, 34.7785, 22.6443



21.6934, 34.7785, 38.6896

Triad

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



22.9226, 34.7785, 22.6443



33.3416, 34.7785, 88.5814



45.4533, 34.7785, 21.6560

Complementary

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



22.9226, 34.7785, 22.6443



26.7290, 18.2395, 29.3071

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.



47.8214, 34.7785, 37.0578



22.9226, 34.7785, 22.6443



40.2662, 34.7785, 79.4155

Square

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



22.9226, 34.7785, 22.6443



27.1932, 34.7785, 80.7598



45.8065, 34.7785, 58.7286



39.7060, 34.7785, 13.7151

Rectangle

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



22.9226, 34.7785, 22.6443



22.3654, 34.7785, 53.0236



45.8065, 34.7785, 58.7286



46.7035, 34.7785, 25.9161

Sweetspot

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



22.9235, 34.7799, 22.6451



61.9371, 72.4295, 69.7040



29.4762, 38.3370, 14.8633



13.0873, 15.5329, 14.6742



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.



22.9235, 34.7799, 22.6451



36.8939, 60.2917, 33.6335



26.1752, 36.0806, 39.7685



8.5058, 9.5368, 9.6571



12.0269, 23.0368, 7.1447



0.4065, 0.7361, 0.3729

Inverse Universe

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



26.7290, 18.2395, 29.3071



44.4567, 27.3172, 46.7963



23.9389, 17.1234, 14.6142



8.7232, 8.5960, 10.0407



15.4517, 7.6982, 12.8045



0.5123, 0.2527, 0.5405

Previews

White Background



This preview shows how the XYZ color 22.9226, 34.7785, 22.6443 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 22.9226, 34.7785, 22.6443 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 22.9226, 34.7785, 22.6443

Background



This preview shows how black text looks on a background with the XYZ color 22.9226, 34.7785, 22.6443.



This preview shows how white text looks on a background with the XYZ color 22.9226, 34.7785,

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

22.9226, 34.7785, 22.6443

Protanopia

31.8359, 34.2374, 19.6824

Deuteranopia

34.8739, 34.2260, 23.8370



Tritanopia

28.3287, 34.6784, 50.0003

Trichromacy



Original Color

22.9226, 34.7785, 22.6443



Protanomaly

27.2510, 33.6780, 20.6870



Deuteranomaly

28.6521, 33.2844, 23.3268



Tritanomaly

25.9403, 34.5496, 38.1024

Monochromacy



Original Color

22.9226, 34.7785, 22.6443



Achromatopsia

26.1081, 27.4677, 29.9124



Achromatomaly

24.1928, 29.3749, 26.9491

CSS Examples

Text

The CSS property to change the color of the text to XYZ 22.9226, 34.7785, 22.6443 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(87, 177, 118)` looks like.

```
.text, #text, p{  
    color:rgb(87, 177, 118)  
}
```

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(87, 177, 118) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(87, 177, 118) }
```

Border

The CSS property to change the border of an element to XYZ 22.9226, 34.7785, 22.6443 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(87, 177, 118) }
```


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

```
.border{ border-color:rgb(87, 177, 118) }
```

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

Here you see how a box with a 4 pixel `rgb(87, 177, 118)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(87, 177, 118); -webkit-box-  
shadow:4px 4px 4px 4px rgb(87, 177, 118);  
box-shadow:4px 4px 4px 4px rgb(87, 177,  
118) }
```

Background

The CSS property to change the background color of an element to XYZ 22.9226, 34.7785, 22.6443 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(87, 177, 118) }
```

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

```
.background{ background-color: rgb(87, 177,  
118) }
```

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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