

Converting Colors

XYZ(22.3859, 32.7860, 26.1660)

Have a look what the booklet for
XYZ(22.3859, 32.7860, 26.1660)
contains.

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Color

**XYZ(22.3385, 32.6688,
26.2474)**

Conversions

Conversions Part 1

Format	Color
Hex	55AB82
RGB	85, 171, 130
RGB Percent	33%, 67%, 51%
CMY	0.6667, 0.3294, 0.4902
CMYK	0.50, 0.00, 0.24, 0.33
HSL	151°, 34%, 50%
HSV	151°, 50%, 67%
XYZ	22.3385, 32.6688, 26.2474
YIQ	140.6120, -38.0950, -30.9830

Conversions

Conversions Part 2

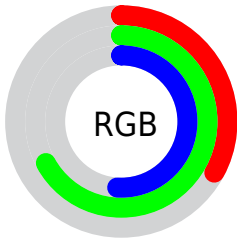
Format	Color
RYB	85, 141, 171
Decimal	5614466
CIELab	63.89, -35.80, 13.27
CIElCh	64, 38.181, 159.658
Yxy	32.6688, 0.2749, 0.4021
Android (android.graphics.Color)	4283804546 (0xFF55AB82)
YUV	140.6120, -5.2317, -48.7717
Hunter-Lab	57.1566, -30.2610, 12.7826

Details

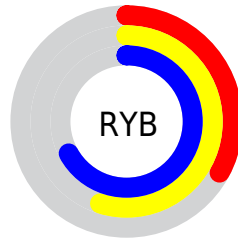
The XYZ color **22.3385, 32.6688, 26.2474** is a dark color, and the websafe version is hex **339966**. A complement of this color would be **23.8101, 16.6621, 21.7012**, and the grayscale version is **25.1968, 26.5090, 28.8683**.

A 20% lighter version of the original color is **46.8315, 63.9325, 54.6717**, and **8.3645, 13.7576, 9.9992** is the 20% darker color. If you saturate the color by 10%, you get **20.4440, 31.7538, 23.4148**, and if you desaturate by 10%, it is **24.6532, 33.7972, 29.3275**.

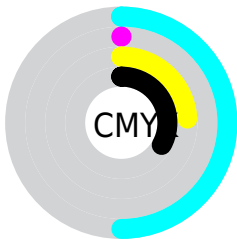
Distribution



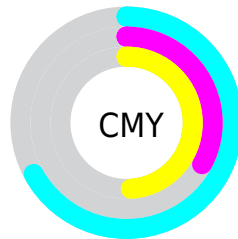
- Red (33%)
- Green (67%)
- Blue (51%)



- Red (33%)
- Yellow (55%)
- Blue (67%)



- Cyan (50%)
- Magenta (0%)
- Yellow (24%)
- Black (33%)





- Cyan (67%)
- Magenta (33%)
- Yellow (49%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 22.3385, 32.6688, 26.2474 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 22.3385, 32.6688, 26.2474 by changing the saturation by 10% instead.


 22.3385, 32.6688,
26.2474


 22.3385, 32.6688,
26.2474


256.9082,
314.1547, 297.6385


 14.2238, 21.8728,
16.7814


 46.7795, 63.8581,
54.6628


 8.3593, 13.7635,
9.9184


 63.8366, 85.0202,
74.4492

 4.3794, 7.9564,
5.2400


 84.6052, 110.4065,
98.5129

 1.9189, 4.0670,
2.3276

 109.4506,
140.4014, 127.2723

 0.5878, 1.7111,
0.7466

138.7383,
175.3893, 161.1460

 0.0000, 0.4308,
0.0000

172.8335,

 0.0000, 0.0000,

215.7545, 200.5526

0.0000

212.1017,
261.8815, 245.9106

■ 22.3385, 32.6688,
26.2474

■ 22.3385, 32.6688,
26.2474

■ 20.4440, 31.7538,
23.4148

■ 24.6532, 33.7972,
29.3275

■ 18.9387, 31.0336,
20.8209

■ 27.4114, 35.1482,
32.6590

■ 17.7912, 30.4931,
18.4595

■ 30.6373, 36.7351,
36.2488

■ 16.9635, 30.1129,
16.3232

■ 34.3529, 38.5691,
40.1025

■ 16.3867, 29.8563,
14.4554

■ 38.5785, 40.6606,
44.2258

■ 43.3335, 43.0195,
48.6239

■ 48.6361, 45.6550,
53.3022

■ 54.5036, 48.5760,
58.2657

■ 60.9525, 51.7909,
63.5193

Harmonies

Analogous

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



24.9146, 32.6688, 17.3126



22.3385, 32.6688, 26.2474



21.9413, 32.6688, 40.7676

Triad

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



22.3385, 32.6688, 26.2474



32.8159, 32.6688, 73.4246



39.7001, 32.6688, 19.8357

Complementary

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



22.3385, 32.6688, 26.2474



23.8101, 16.6621, 21.7012

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.



42.3860, 32.6688, 30.8355



22.3385, 32.6688, 26.2474



38.1197, 32.6688, 63.5479

Square

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



22.3385, 32.6688, 26.2474



27.5970, 32.6688, 71.1379



41.7764, 32.6688, 46.8756



34.7812, 32.6688, 14.4200

Rectangle

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



22.3385, 32.6688, 26.2474



22.9126, 32.6688, 52.3066



41.7764, 32.6688, 46.8756



40.9184, 32.6688, 22.8500

Sweetspot

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



22.3394, 32.6701, 26.2481



58.1005, 67.3826, 68.3266



24.8917, 34.2619, 13.8961



12.6570, 14.8787, 14.9242



82.5889, 86.8899, 94.6231



15.4596, 16.2647, 17.7123

Same Dimension

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



22.3394, 32.6701, 26.2481



36.3814, 56.7559, 41.5608



25.3917, 33.4602, 43.6498



8.0729, 9.0067, 9.4091



12.3795, 22.5171, 11.0379



0.3718, 0.6374, 0.4515

Inverse Universe

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



23.8101, 16.6621, 21.7012



39.3131, 24.8811, 32.5229



21.7977, 16.0396, 10.5419



8.1583, 8.0766, 9.1442



13.8215, 6.9911, 6.7055



0.4123, 0.2056, 0.3328

Previews

White Background



This preview shows how the XYZ color 22.3385, 32.6688, 26.2474 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 22.3385, 32.6688, 26.2474 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 22.3385, 32.6688, 26.2474

Background



This preview shows how black text looks on a background with the XYZ color 22.3385, 32.6688, 26.2474.

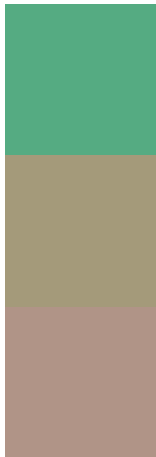


This preview shows how white text looks on a background with the XYZ color 22.3385, 32.6688,

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

22.3385, 32.6688, 26.2474

Protanopia

30.3783, 32.4089, 23.0668

Deuteranopia

32.8676, 32.1592, 27.3967



Tritanopia

26.5280, 32.7213, 47.0371

Trichromacy



Original Color

22.3385, 32.6688, 26.2474

Protanomaly

26.2642, 31.7732, 24.1506

Deuteranomaly

27.4498, 31.3100, 26.7870

Tritanomaly

24.7659, 32.5378, 38.6933

Monochromacy



Original Color

22.3385, 32.6688, 26.2474

Achromatopsia

25.3171, 26.6356, 29.0061

Achromatomaly

23.6288, 28.3276, 27.8893

CSS Examples

Text

The CSS property to change the color of the text to XYZ 22.3385, 32.6688, 26.2474 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, 171, 130)` looks like.

```
.text, #text, p{  
    color:rgb(85, 171, 130)  
}
```

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, 171, 130) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(85, 171, 130) }
```

Border

The CSS property to change the border of an element to XYZ 22.3385, 32.6688, 26.2474 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, 171, 130) }
```


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

```
.border{ border-color:rgb(85, 171, 130) }
```

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

Here you see how a box with a 4 pixel `rgb(85, 171, 130)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(85, 171, 130); -webkit-box-  
shadow:4px 4px 4px 4px rgb(85, 171, 130);  
box-shadow:4px 4px 4px 4px rgb(85, 171,  
130) }
```

Background

The CSS property to change the background color of an element to XYZ 22.3385, 32.6688, 26.2474 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(85, 171, 130) }
```

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

```
.background{ background-color: rgb(85, 171,  
130) }
```

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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