

Converting Colors

XYZ(22.8279, 33.0530, 25.5026)

Have a look what the booklet for
XYZ(22.8279, 33.0530, 25.5026)
contains.

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Color

**XYZ(22.7736, 32.9085,
25.5738)**

Conversions

Conversions Part 1

Format	Color
Hex	5BAB80
RGB	91, 171, 128
RGB Percent	36%, 67%, 50%
CMY	0.6431, 0.3294, 0.4980
CMYK	0.47, 0.00, 0.25, 0.33
HSL	148°, 32%, 51%
HSV	148°, 47%, 67%
XYZ	22.7736, 32.9085, 25.5738
YIQ	142.1780, -33.8770, -30.3330

Conversions

Conversions Part 2

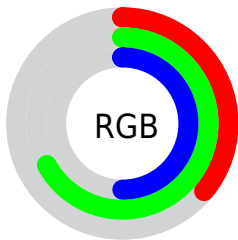
Format	Color
RYB	91, 146, 171
Decimal	6007680
CIELab	64.09, -34.65, 14.68
CIElCh	64, 37.632, 157.035
Yxy	32.9085, 0.2803, 0.4050
Android (android.graphics.Color)	4284197760 (0xFF5BAB80)
YUV	142.1780, -6.9898, -44.8831
Hunter-Lab	57.3659, -29.5280, 13.7246

Details

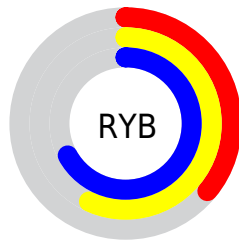
The XYZ color **22.7736, 32.9085, 25.5738** is a dark color, and the websafe version is hex **339966**. A complement of this color would be **24.8398, 17.8621, 24.6940**, and the grayscale version is **25.8188, 27.1634, 29.5809**.

A 20% lighter version of the original color is **47.4866, 64.2941, 53.6233**, and **8.5829, 13.8787, 9.6236** is the 20% darker color. If you saturate the color by 10%, you get **20.6984, 31.9063, 22.4606**, and if you desaturate by 10%, it is **25.2895, 34.1333, 28.9952**.

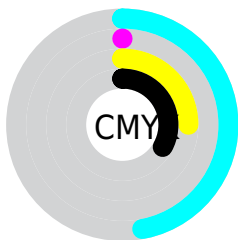
Distribution



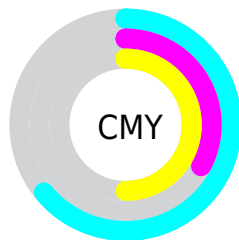
- Red (36%)
- Green (67%)
- Blue (50%)



- Red (36%)
- Yellow (57%)
- Blue (67%)



- Cyan (47%)
- Magenta (0%)
- Yellow (25%)
- Black (33%)



- Cyan (64%)
- Magenta (33%)
- Yellow (50%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 22.7736, 32.9085, 25.5738 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 22.7736, 32.9085, 25.5738 by changing the saturation by 10% instead.

■ 22.7736, 32.9085,
25.5738

■ 22.7736, 32.9085,
25.5738

259.1171,
315.2372, 294.2222

■ 14.5462, 22.0564,
16.2822

■ 47.4907, 64.2326,
53.5622

■ 8.5858, 13.8983,
9.5675

■ 64.7111, 85.4734,
73.0960

■ 4.5269, 8.0500,
5.0113

■ 85.6599, 110.9459,
96.8810

■ 2.0043, 4.1269,
2.1951

■ 110.7025,
141.0345, 125.3357

■ 0.6364, 1.7448,
0.6715

140.2041,
176.1235, 158.8786

■ 0.0000, 0.4524,
0.0000

174.5302,

■ 0.0000, 0.0000,

216.5973, 197.9283

0.0000

214.0461,
262.8405, 242.9033

■ 22.7736, 32.9085,
25.5738

■ 22.7736, 32.9085,
25.5738

■ 20.6984, 31.9063,
22.4606

■ 25.2895, 34.1333,
28.9952

■ 19.0333, 31.1086,
19.6446

■ 28.2689, 35.5896,
32.7309

■ 17.7480, 30.5006,
17.1170


■ 31.7358, 37.2906,
36.7899


■ 16.8063, 30.0639,
14.8680


■ 35.7121, 39.2474,
41.1800


■ 16.1570, 29.7724,
12.8864


■ 40.2181, 41.4704,
45.9086

 15.9780, 29.6928,
12.3030

 45.2731, 43.9692,
50.9831

 50.8953, 46.7533,
56.4104

 57.1020, 49.8313,
62.1973

 63.9100, 53.2118,
68.3506

Harmonies

Analogous

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



25.5130, 32.9085, 17.1644



22.7736, 32.9085, 25.5738



22.1849, 32.9085, 39.5412

Triad

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



22.7736, 32.9085, 25.5738



32.5483, 32.9085, 73.4811



40.1755, 32.9085, 20.9244

Complementary

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



22.7736, 32.9085, 25.5738



24.8398, 17.8621, 24.6940

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.



42.5690, 32.9085, 32.3619



22.7736, 32.9085, 25.5738



37.8532, 32.9085, 64.6747

Square

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



22.7736, 32.9085, 25.5738



27.4548, 32.9085, 70.1413



41.6743, 32.9085, 48.5206



35.4418, 32.9085, 15.0600

Rectangle

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



22.7736, 32.9085, 25.5738



23.0230, 32.9085, 50.8659



41.6743, 32.9085, 48.5206



41.3035, 32.9085, 24.0969

Sweetspot

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



22.7745, 32.9098, 25.5745



58.5530, 67.6275, 67.8234



26.4440, 35.0335, 15.2663



12.7389, 14.9245, 14.7660



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.



22.7745, 32.9098, 25.5745



36.9993, 57.1071, 40.1147



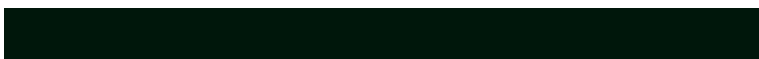
25.8534, 34.1414, 41.7881



8.0528, 8.9987, 9.3031



12.0706, 22.3935, 9.4115



0.3636, 0.6341, 0.4082

Inverse Universe

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



24.8398, 17.8621, 24.6940



41.1462, 26.8637, 38.3245



22.6022, 16.9670, 12.9106



8.1784, 8.0846, 9.2505



14.1409, 7.1189, 8.3875



0.4206, 0.2089, 0.3769

Previews

White Background



This preview shows how the XYZ color 22.7736, 32.9085, 25.5738 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 22.7736, 32.9085, 25.5738 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

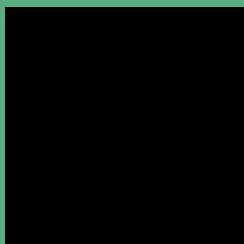
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 22.7736, 32.9085, 25.5738

Background



This preview shows how black text looks on a background with the XYZ color 22.7736, 32.9085, 25.5738.



This preview shows how white text looks on a background with the XYZ color 22.7736, 32.9085,

25.5738.

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

22.7736, 32.9085, 25.5738

Protanopia

30.4628, 32.4666, 22.4304

Deuteranopia

33.1125, 32.5355, 26.7251



Tritanopia

27.0203, 32.7083, 47.0087

Trichromacy



Original Color

22.7736, 32.9085, 25.5738

Protanomaly

26.6272, 31.9749, 23.5073

Deuteranomaly

28.0078, 31.8636, 26.1469

Tritanomaly

25.3095, 32.8281, 38.2602

Monochromacy



Original Color

22.7736, 32.9085, 25.5738

Achromatopsia

25.7108, 27.0498, 29.4572

Achromatomaly

24.0750, 28.7996, 27.9569

CSS Examples

Text

The CSS property to change the color of the text to XYZ 22.7736, 32.9085, 25.5738 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(91, 171, 128)` looks like.

```
.text, #text, p{  
    color:rgb(91, 171, 128)  
}
```

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(91, 171, 128) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(91, 171, 128) }
```

Border

The CSS property to change the border of an element to XYZ 22.7736, 32.9085, 25.5738 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(91, 171, 128) }
```


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

```
.border{ border-color:rgb(91, 171, 128) }
```

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

Here you see how a box with a 4 pixel `rgb(91, 171, 128)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(91, 171, 128); -webkit-box-  
shadow:4px 4px 4px 4px rgb(91, 171, 128);  
box-shadow:4px 4px 4px 4px rgb(91, 171,  
128) }
```

Background

The CSS property to change the background color of an element to XYZ 22.7736, 32.9085, 25.5738 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(91, 171, 128) }
```

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

```
.background{ background-color: rgb(91, 171,  
128) }
```

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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