

Converting Colors

XYZ(22.6789, 32.7544, 30.3262)

Have a look what the booklet for
XYZ(22.6789, 32.7544, 30.3262)
contains.

XYZ(22.6789, 32.7544, 30.3262)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(22.6789, 32.7544,
30.3262)**

Conversions

Conversions Part 1

Format	Color
Hex	50AB8D
RGB	80, 171, 141
RGB Percent	31%, 67%, 55%
CMY	0.6863, 0.3294, 0.4471
CMYK	0.53, 0.00, 0.18, 0.33
HSL	160°, 36%, 49%
HSV	160°, 53%, 67%
XYZ	22.6789, 32.7544, 30.3262
YIQ	140.3710, -44.6060, -28.6220

Conversions

Conversions Part 2

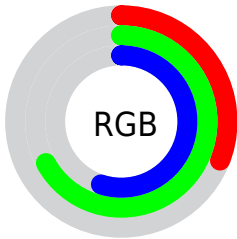
Format	Color
RYB	80, 134, 171
Decimal	5286797
CIELab	63.96, -34.54, 7.25
CIElCh	64, 35.294, 168.141
Yxy	32.7544, 0.2644, 0.3819
Android (android.graphics.Color)	4283476877 (0xFF50AB8D)
YUV	140.3710, 0.3101, -52.9454
Hunter-Lab	57.2315, -29.4215, 8.6450

Details

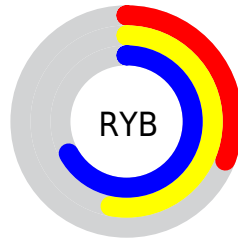
The XYZ color **22.6789, 32.7544, 30.3262** is a dark color, and the websafe version is hex **339966**. A complement of this color would be **22.4788, 15.5219, 16.5644**, and the grayscale version is **25.0837, 26.3900, 28.7387**.

A 20% lighter version of the original color is **47.4728, 64.1125, 61.5026**, and **8.5327, 13.7978, 12.1110** is the 20% darker color. If you saturate the color by 10%, you get **21.0060, 31.9401, 28.1140**, and if you desaturate by 10%, it is **24.7424, 33.7693, 32.6696**.

Distribution



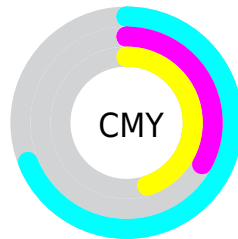
- Red (31%)
- Green (67%)
- Blue (55%)



- Red (31%)
- Yellow (53%)
- Blue (67%)



- Cyan (53%)
- Magenta (0%)
- Yellow (18%)
- Black (33%)



- Cyan (69%)
- Magenta (33%)
- Yellow (45%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 22.6789, 32.7544, 30.3262 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 22.6789, 32.7544, 30.3262 by changing the saturation by 10% instead.

■ 22.6789, 32.7544,
30.3262

■ 22.6789, 32.7544,
30.3262

258.6377,
314.5416, 317.6765

■ 14.4760, 21.9384,
19.8322

■ 47.3361, 63.9919,
61.2448

■ 8.5364, 13.8116,
12.0902

■ 64.5211, 85.1821,
82.5064

■ 4.4947, 7.9898,
6.6819

■ 85.4308, 110.5993,
108.1942

■ 1.9856, 4.0884,
3.1885

■ 110.4306,
140.6276, 138.7269

■ 0.6259, 1.7231,
1.1917

■ 139.8858,
175.6517, 174.5229

■ 0.0000, 0.4386,
0.0000

174.1618,

■ 0.0000, 0.0000,

216.0557, 216.0008

0.0000

213.6240,
262.2242, 263.5792

■ 22.6789, 32.7544,
30.3262

■ 22.6789, 32.7544,
30.3262

■ 21.0060, 31.9401,
28.1140

■ 24.7424, 33.7693,
32.6696

■ 19.6922, 31.3076,
26.0278

■ 27.2196, 34.9941,
35.1447

■ 18.7055, 30.8413,
24.0651

■ 30.1349, 36.4422,
37.7550

■ 18.0064, 30.5210,
22.2223

■ 33.5099, 38.1248,
40.5031

■ 17.6365, 30.3562,
21.0367

■ 37.3650, 40.0522,
43.3913

■ 41.7190, 42.2342,
46.4221

■ 46.5899, 44.6801,
49.5977

■ 51.9948, 47.3984,
52.9205

■ 57.9499, 50.3977,
56.3924

Harmonies

Analogous

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



24.5384, 32.7544, 20.3310



22.6789, 32.7544, 30.3262



22.8993, 32.7544, 44.8902

Triad

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



22.6789, 32.7544, 30.3262



34.2059, 32.7544, 68.5388



37.9601, 32.7544, 18.9062

Complementary

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



22.6789, 32.7544, 30.3262



22.4788, 15.5219, 16.5644

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.



41.1337, 32.7544, 27.7973



22.6789, 32.7544, 30.3262



38.8123, 32.7544, 57.2417

Square

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



22.6789, 32.7544, 30.3262



29.2078, 32.7544, 69.7468



41.4613, 32.7544, 41.5940



33.1391, 32.7544, 15.0132

Rectangle

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



22.6789, 32.7544, 30.3262



24.1997, 32.7544, 55.3961



41.4613, 32.7544, 41.5940



39.2761, 32.7544, 21.2812

Sweetspot

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



22.6798, 32.7557, 30.3270



58.0685, 67.3069, 71.0001



22.4839, 33.0428, 12.7828



12.6777, 14.8741, 15.6137



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.



22.6798, 32.7557, 30.3270



37.1202, 56.9592, 49.6156



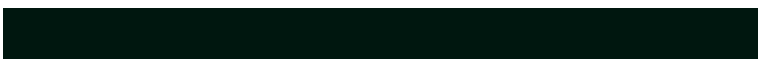
22.5205, 28.3680, 42.8182



8.1223, 9.0265, 9.6692



13.3198, 22.8932, 15.9898



0.3944, 0.6464, 0.5704

Inverse Universe

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



22.4788, 15.5219, 16.5644



36.7468, 22.7475, 22.4222



22.3508, 17.4525, 9.7806



8.1101, 8.0573, 8.8904



13.2278, 6.7537, 3.5791



0.3937, 0.1981, 0.2348

Previews

White Background



This preview shows how the XYZ color 22.6789, 32.7544, 30.3262 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 22.6789, 32.7544, 30.3262 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

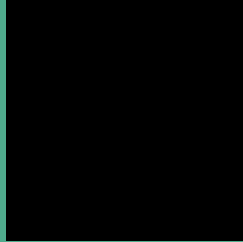
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 22.6789, 32.7544, 30.3262

Background



This preview shows how black text looks on a background with the XYZ color 22.6789, 32.7544, 30.3262.

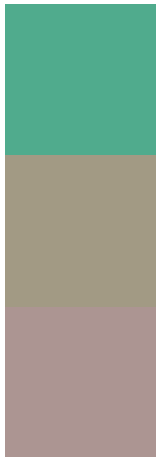


This preview shows how white text looks on a background with the XYZ color 22.6789, 32.7544,

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

22.6789, 32.7544, 30.3262

Protanopia

30.6208, 32.4585, 26.4810

Deuteranopia

32.9490, 32.3409, 31.6999



Tritanopia

26.1865, 32.8024, 47.5991

Trichromacy



Original Color

22.6789, 32.7544, 30.3262

Protanomaly

26.4597, 31.7964, 27.6644

Deuteranomaly

27.7385, 31.6165, 31.0262

Tritanomaly

24.8187, 32.7966, 40.6196

Monochromacy



Original Color

22.6789, 32.7544, 30.3262

Achromatopsia

24.9269, 26.2251, 28.5591

Achromatomaly

23.2714, 27.8782, 28.9654

CSS Examples

Text

The CSS property to change the color of the text to XYZ 22.6789, 32.7544, 30.3262 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(80, 171, 141)` looks like.

```
.text, #text, p{  
    color:rgb(80, 171, 141)  
}
```

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(80, 171, 141) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(80, 171, 141) }
```

Border

The CSS property to change the border of an element to XYZ 22.6789, 32.7544, 30.3262 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(80, 171, 141) }
```


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

```
.border{ border-color:rgb(80, 171, 141) }
```

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

Here you see how a box with a 4 pixel `rgb(80, 171, 141)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(80, 171, 141); -webkit-box-  
shadow:4px 4px 4px 4px rgb(80, 171, 141);  
box-shadow:4px 4px 4px 4px rgb(80, 171,  
141) }
```

Background

The CSS property to change the background color of an element to XYZ 22.6789, 32.7544, 30.3262 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(80, 171, 141) }
```

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

```
.background{ background-color: rgb(80, 171,  
141) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor