

Converting Colors

XYZ(21.7876, 32.1579, 23.7977)

Have a look what the booklet for
XYZ(21.7876, 32.1579, 23.7977)
contains.

XYZ(21.7876, 32.1579, 23.7977)	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(21.7876, 32.1579,
23.7977)**

Conversions

Conversions Part 1

Format	Color
Hex	56AA7B
RGB	86, 170, 123
RGB Percent	34%, 67%, 48%
CMY	0.6627, 0.3333, 0.5176
CMYK	0.49, 0.00, 0.28, 0.33
HSL	146°, 33%, 50%
HSV	146°, 49%, 67%
XYZ	21.7876, 32.1579, 23.7977
YIQ	139.5260, -34.9770, -32.4250

Conversions

Conversions Part 2

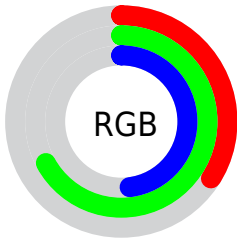
Format	Color
RYB	86, 144, 170
Decimal	5679739
CIELab	63.47, -36.55, 16.55
CIELCh	63, 40.125, 155.640
Yxy	32.1579, 0.2803, 0.4136
Android (android.graphics.Color)	4283869819 (0xFF56AA7B)
YUV	139.5260, -8.1473, -46.9423
Hunter-Lab	56.7079, -30.6579, 14.8143

Details

The XYZ color **21.7876, 32.1579, 23.7977** is a dark color, and the websafe version is hex **339966**. A complement of this color would be **24.1400, 16.8957, 24.1802**, and the grayscale version is **24.7844, 26.0751, 28.3958**.

A 20% lighter version of the original color is **46.0173, 63.1900, 50.8458**, and **8.0762, 13.4639, 8.6517** is the 20% darker color. If you saturate the color by 10%, you get **19.8379, 31.2192, 20.7480**, and if you desaturate by 10%, it is **24.1692, 33.3143, 27.1711**.

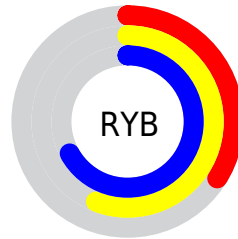
Distribution



Red (34%)

Green (67%)

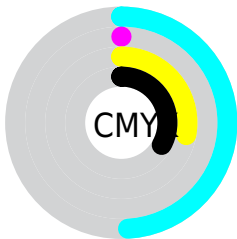
Blue (48%)



Red (34%)

Yellow (56%)

Blue (67%)

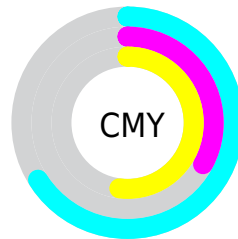


Cyan (49%)

Magenta (0%)

Yellow (28%)

Black (33%)



Cyan (66%)

Magenta (33%)

Yellow (52%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.7876, 32.1579, 23.7977 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 21.7876, 32.1579, 23.7977 by changing the saturation by 10% instead.

■ 21.7876, 32.1579,
23.7977

■ 21.7876, 32.1579,
23.7977

254.0883,
311.8379, 285.0497

■ 13.8166, 21.4821,
14.9728

■ 45.8762, 63.0585,
50.6396

■ 8.0741, 13.4769,
8.6539

■ 62.7245, 84.0522,
69.4936

■ 4.1946, 7.7577,
4.4224

■ 83.2626, 109.2540,
92.5278

■ 1.8128, 3.9403,
1.8598

■ 107.8560,
139.0482, 120.1607

■ 0.5254, 1.6402,
0.4670

136.8699,
173.8193, 152.8107

■ 0.0000, 0.3845,
0.0000

170.6696,

■ 0.0000, 0.0000,

213.9517, 190.8966

0.0000

209.6207,
259.8298, 234.8367

■ 21.7876, 32.1579,
23.7977

■ 21.7876, 32.1579,
23.7977

■ 19.8379, 31.2192,
20.7480

■ 24.1692, 33.3143,
27.1711

■ 18.2891, 30.4797,
18.0099

■ 27.0058, 34.6976,
30.8754

■ 17.1098, 29.9245,
15.5737


■ 30.3220, 36.3211,
34.9204


■ 16.2626, 29.5343,
13.4281


■ 34.1397, 38.1959,
39.3147


■ 15.6730, 29.2711,
11.5598


■ 38.4796, 40.3325,
44.0667

 15.6412, 29.2570,
11.4581

 43.3610, 42.7407,
49.1844

 48.8023, 45.4299,
54.6755

 54.8210, 48.4090,
60.5477

 61.4339, 51.6863,
66.8081

Harmonies

Analogous

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



24.7241, 32.1579, 15.4931



21.7876, 32.1579, 23.7977



21.0740, 32.1579, 38.1256

Triad

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



21.7876, 32.1579, 23.7977



31.6329, 32.1579, 75.4132



40.1512, 32.1579, 19.9750

Complementary

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



21.7876, 32.1579, 23.7977



24.1400, 16.8957, 24.1802

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.



42.5481, 32.1579, 32.0774



21.7876, 32.1579, 23.7977



37.2605, 32.1579, 66.4344

Square

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



21.7876, 32.1579, 23.7977



26.3456, 32.1579, 71.1764



41.4308, 32.1579, 49.2962



35.2127, 32.1579, 13.8031

Rectangle

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



21.7876, 32.1579, 23.7977



21.8687, 32.1579, 50.0830



41.4308, 32.1579, 49.2962



41.3066, 32.1579, 23.3193

Sweetspot

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



21.7885, 32.1592, 23.7984



57.7688, 67.2499, 66.5797



25.8233, 34.4582, 14.0945



12.5743, 14.8457, 14.4889



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.



21.7885, 32.1592, 23.7984



35.7857, 56.5425, 37.2995



24.9505, 33.4240, 40.4495



7.5689, 8.4606, 8.7158



11.5326, 21.5318, 8.5714



0.3065, 0.5342, 0.3450

Inverse Universe

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



24.1400, 16.8957, 24.1802



40.5344, 25.6684, 38.0330



21.8205, 15.9680, 11.9662



7.7002, 7.6100, 8.7386



13.7465, 6.9073, 8.7427



0.3595, 0.1781, 0.3448

Previews

White Background



This preview shows how the XYZ color 21.7876, 32.1579, 23.7977 looks on a white background.

Color Contrast Check

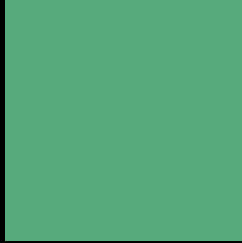
Large Text (above 18pt) WCAG AA × Fail

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 21.7876, 32.1579, 23.7977 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 21.7876, 32.1579, 23.7977

Background



This preview shows how black text looks on a background with the XYZ color 21.7876, 32.1579, 23.7977.



This preview shows how white text looks on a background with the XYZ color 21.7876, 32.1579,

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

21.7876, 32.1579, 23.7977

Protanopia

29.7956, 31.9128, 20.8090

Deuteranopia

32.2345, 31.6561, 24.8334



Tritanopia

26.1892, 32.0383, 45.8780

Trichromacy



Original Color

21.7876, 32.1579, 23.7977



Protanomaly

25.8215, 31.3385, 21.8275



Deuteranomaly

26.8149, 30.7887, 24.2682



Tritanomaly

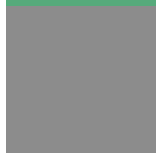
24.4413, 32.1397, 36.8137

Monochromacy



Original Color

21.7876, 32.1579, 23.7977



Achromatopsia

24.9269, 26.2251, 28.5591



Achromatomaly

23.1154, 27.8475, 26.7111

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.7876, 32.1579, 23.7977 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(86, 170, 123)` looks like.

```
.text, #text, p{  
    color:rgb(86, 170, 123)  
}
```

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(86, 170, 123) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(86, 170, 123) }
```

Border

The CSS property to change the border of an element to XYZ 21.7876, 32.1579, 23.7977 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(86, 170, 123) }
```


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

```
.border{ border-color:rgb(86, 170, 123) }
```

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

Here you see how a box with a 4 pixel `rgb(86, 170, 123)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(86, 170, 123); -webkit-box-  
shadow:4px 4px 4px 4px rgb(86, 170, 123);  
box-shadow:4px 4px 4px 4px rgb(86, 170,  
123) }
```

Background

The CSS property to change the background color of an element to XYZ 21.7876, 32.1579, 23.7977 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(86, 170, 123) }
```

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

```
.background{ background-color: rgb(86, 170,  
123) }
```

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