

Converting Colors

XYZ(24.8176, 35.3360, 33.1920)

Have a look what the booklet for
XYZ(24.8176, 35.3360, 33.1920)
contains.

XYZ(24.7223, 35.1835, 33.0919)	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(24.7223, 35.1835,
33.0919)**

Conversions

Conversions Part 1

Format	Color
Hex	57B093
RGB	87, 176, 147
RGB Percent	34%, 69%, 58%
CMY	0.6588, 0.3098, 0.4235
CMYK	0.51, 0.00, 0.16, 0.31
HSL	160°, 36%, 52%
HSV	160°, 51%, 69%
XYZ	24.7223, 35.1835, 33.0919
YIQ	146.0830, -43.7350, -27.8870

Conversions

Conversions Part 2

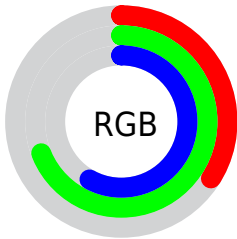
Format	Color
RYB	87, 140, 176
Decimal	5746835
CIELab	65.89, -33.81, 6.72
CIElCh	66, 34.473, 168.752
Yxy	35.1835, 0.2658, 0.3783
Android (android.graphics.Color)	4283936915 (0xFF57B093)
YUV	146.0830, 0.4521, -51.8158
Hunter-Lab	59.3157, -29.4051, 8.4434

Details

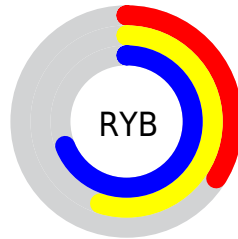
The XYZ color **24.7223, 35.1835, 33.0919** is a dark color, and the websafe version is hex **66CC99**. A complement of this color would be **24.4663, 17.3084, 18.5757**, and the grayscale version is **27.3675, 28.7928, 31.3553**.

A 20% lighter version of the original color is **50.5546, 67.6811, 65.6576**, and **9.6203, 15.2301, 13.4990** is the 20% darker color. If you saturate the color by 10%, you get **22.8364, 34.2629, 30.7131**, and if you desaturate by 10%, it is **27.0332, 36.3224, 35.6093**.

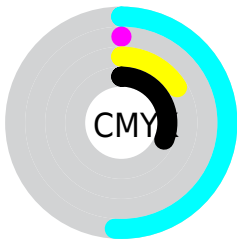
Distribution



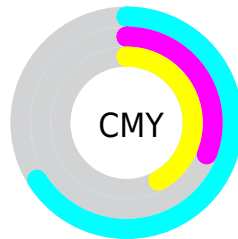
- Red (34%)
- Green (69%)
- Blue (58%)



- Red (34%)
- Yellow (55%)
- Blue (69%)



- Cyan (51%)
- Magenta (0%)
- Yellow (16%)
- Black (31%)



- Cyan (66%)
- Magenta (31%)
- Yellow (42%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 24.7223, 35.1835, 33.0919 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 24.7223, 35.1835, 33.0919 by changing the saturation by 10% instead.

■ 24.7223, 35.1835,
33.0919

■ 24.7223, 35.1835,
33.0919

268.8254,
325.3775, 330.7083

■ 15.9979, 23.8043,
21.9252

■ 50.6525, 67.7699,
65.6366

■ 9.6135, 15.1885,
13.6041

■ 68.5890, 89.7459,
87.8517

■ 5.2038, 8.9518,
7.7103

■ 90.3270, 116.0230,
114.5867

■ 2.4033, 4.7097,
3.8250

■ 116.2317,
146.9854, 146.2600

■ 0.8467, 2.0780,
1.5298

146.6685,
183.0177, 183.2903

■ 0.0000, 0.6522,
0.2400

182.0028,

■ 0.0000, 0.0000,

224.5043, 226.0961

0.0000

222.6000,
271.8294, 275.0960

■ 24.7223, 35.1835,
33.0919

■ 24.7223, 35.1835,
33.0919

■ 22.8364, 34.2629,
30.7131

■ 27.0332, 36.3224,
35.6093

■ 21.3426, 33.5410,
28.4674

■ 29.7931, 37.6893,
38.2657

■ 20.2079, 33.0017,
26.3522

■ 33.0277, 39.2981,
41.0647

■ 19.3920, 32.6242,
24.3639

■ 36.7598, 41.1608,
44.0091

■ 18.8348, 32.3754,
22.5994

■ 41.0107, 43.2882,
47.1013

■ 45.8006, 45.6906,
50.3438

■ 51.1482, 48.3779,
53.7390

■ 57.0718, 51.3591,
57.2892

■ 63.5884, 54.6432,
60.9967

Harmonies

Analogous

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



26.6019, 35.1835, 22.6264



24.7223, 35.1835, 33.0919



24.9946, 35.1835, 48.0559

Triad

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



24.7223, 35.1835, 33.0919



36.6905, 35.1835, 71.4964



40.3257, 35.1835, 20.8474

Complementary

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



24.7223, 35.1835, 33.0919



24.4663, 17.3084, 18.5757

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.



43.6031, 35.1835, 29.9779



24.7223, 35.1835, 33.0919



41.3616, 35.1835, 59.9478

Square

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



24.7223, 35.1835, 33.0919



31.5659, 35.1835, 72.9468



44.0004, 35.1835, 44.0472



35.3887, 35.1835, 16.8519

Rectangle

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



24.7223, 35.1835, 33.0919



26.3670, 35.1835, 58.6942



44.0004, 35.1835, 44.0472



41.6786, 35.1835, 23.2922

Sweetspot

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



24.7233, 35.1849, 33.0927



63.3748, 73.0046, 77.2746



24.5382, 35.4991, 14.5762



13.4359, 15.6724, 16.5097



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.



24.7233, 35.1849, 33.0927



40.9656, 61.9204, 55.0749



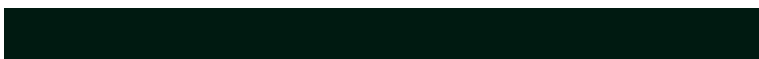
24.5421, 30.7102, 45.7101



8.6225, 9.5835, 10.2718



13.8466, 23.7646, 16.7270



0.4611, 0.7579, 0.6602

Inverse Universe

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



24.4663, 17.3084, 18.5757



40.4693, 25.7222, 25.7993



24.3609, 19.3892, 11.4760



8.6067, 8.5494, 9.4275



13.7095, 7.0014, 3.6302



0.4589, 0.2313, 0.2591

Previews

White Background



This preview shows how the XYZ color 24.7223, 35.1835, 33.0919 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 24.7223, 35.1835, 33.0919 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

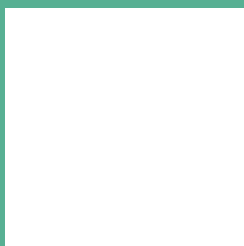
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 24.7223, 35.1835, 33.0919

Background



This preview shows how black text looks on a background with the XYZ color 24.7223, 35.1835, 33.0919.

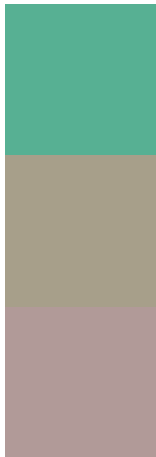


This preview shows how white text looks on a background with the XYZ color 24.7223, 35.1835,

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

24.7223, 35.1835, 33.0919

Protanopia

32.9219, 34.8467, 29.0357

Deuteranopia

35.3546, 34.7253, 34.5450



Tritanopia

28.3569, 35.2253, 51.2035

Trichromacy



Original Color

24.7223, 35.1835, 33.0919



Protanomaly

28.7441, 34.2366, 30.2927



Deuteranomaly

29.9270, 33.9720, 33.8341



Tritanomaly

26.9103, 35.2071, 43.9054

Monochromacy



Original Color

24.7223, 35.1835, 33.0919



Achromatopsia

27.3213, 28.7441, 31.3023



Achromatomaly

25.7027, 30.5492, 31.7360

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.7223, 35.1835, 33.0919 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, 176, 147)` looks like.

```
.text, #text, p{  
    color:rgb(87, 176, 147)  
}
```

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, 176, 147) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(87, 176, 147) }
```

Border

The CSS property to change the border of an element to XYZ 24.7223, 35.1835, 33.0919 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, 176, 147) }
```


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

```
.border{ border-color:rgb(87, 176, 147) }
```

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

Here you see how a box with a 4 pixel `rgb(87, 176, 147)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(87, 176, 147); -webkit-box-  
shadow:4px 4px 4px 4px rgb(87, 176, 147);  
box-shadow:4px 4px 4px 4px rgb(87, 176,  
147) }
```

Background

The CSS property to change the background color of an element to XYZ 24.7223, 35.1835, 33.0919 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(87, 176, 147) }
```

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

```
.background{ background-color: rgb(87, 176,  
147) }
```

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