

Converting Colors

XYZ(20.3649, 24.9048, 39.8106)

Have a look what the booklet for
XYZ(20.3649, 24.9048, 39.8106)
contains.

XYZ(20.3863, 24.9732, 39.8222)	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(20.3863, 24.9732,
39.8222)**

Conversions

Conversions Part 1

Format	Color
Hex	4F92A6
RGB	79, 146, 166
RGB Percent	31%, 57%, 65%
CMY	0.6902, 0.4274, 0.3490
CMYK	0.52, 0.12, 0.00, 0.35
HSL	194°, 36%, 48%
HSV	194°, 52%, 65%
XYZ	20.3863, 24.9732, 39.8222
YIQ	128.2470, -46.3520, -7.9840

Conversions

Conversions Part 2

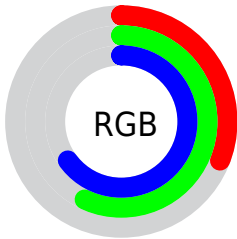
Format	Color
R_{YB}	79, 117, 166
Decimal	5214886
CIE _{Lab}	57.05, -15.57, -17.08
CIE _{LCh}	57, 23.112, 227.648
Yxy	24.9732, 0.2393, 0.2932
Android (android.graphics.Color)	4283404966 (0xFF4F92A6)
YUV	128.2470, 18.6122, -43.1896
Hunter-Lab	49.9732, -14.6350, -12.2653

Details

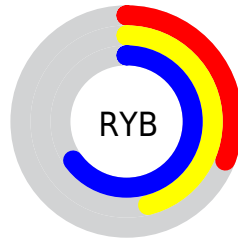
The XYZ color **20.3863, 24.9732, 39.8222** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **21.5997, 17.5960, 9.6560**, and the grayscale version is **20.5532, 21.6236, 23.5481**.

A 20% lighter version of the original color is **43.5369, 51.5973, 76.0713**, and **7.3265, 9.5009, 17.3673** is the 20% darker color. If you saturate the color by 10%, you get **18.5958, 23.1919, 39.5732**, and if you desaturate by 10%, it is **22.5428, 26.9734, 40.0951**.

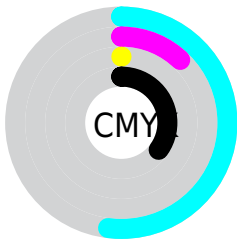
Distribution



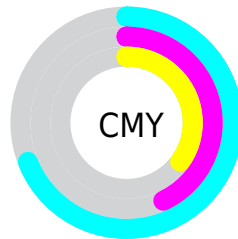
- Red (31%)
- Green (57%)
- Blue (65%)



- Red (31%)
- Yellow (46%)
- Blue (65%)



- Cyan (52%)
- Magenta (12%)
- Yellow (0%)
- Black (35%)



- Cyan (69%)
- Magenta (43%)
- Yellow (35%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.3863, 24.9732, 39.8222 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 20.3863, 24.9732, 39.8222 by changing the saturation by 10% instead.

■ 20.3863, 24.9732,
39.8222

■ 20.3863, 24.9732,
39.8222

246.7927,
277.7045, 360.9034

■ 12.7860, 16.0571,
27.0872

■ 43.5629, 51.6137,
76.1268

■ 7.3574, 9.5646,
17.4057

■ 59.8700, 70.1070,
100.5335

■ 3.7349, 5.1112,
10.3592

■ 79.8101, 92.5613,
129.6679

■ 1.5533, 2.3127,
5.5290

■ 103.7485,
119.3613, 163.9484

■ 0.3617, 0.7804,
2.4968

■ 132.0506,
150.8912, 203.7937

■ 0.0000, 0.0000,
0.8384

165.0818,

■ 0.0000, 0.0000,

187.5354, 249.6223

0.0000

203.2073,
229.6784, 301.8527

■ 20.3863, 24.9732,
39.8222

■ 20.3863, 24.9732,
39.8222

■ 18.5958, 23.1919,
39.5732

■ 22.5428, 26.9734,
40.0951

■ 17.1426, 21.6129,
39.3450

■ 25.0865, 29.2021,
40.3912

■ 15.9974, 20.2212,
39.1367

■ 28.0400, 31.6717,
40.7122

■ 15.1244, 18.9982,
38.9467

■ 31.4230, 34.3927,
41.0591

■ 14.5814, 18.1500,
38.8116

■ 35.2543, 37.3751,
41.4328

■ 39.5514, 40.6281,
41.8342

■ 44.3306, 44.1604,
42.2641

■ 49.6079, 47.9804,
42.7233

■ 55.3980, 52.0961,
43.2126

Harmonies

Analogous

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



19.0957, 24.9732, 31.9869



20.3863, 24.9732, 39.8222



22.6356, 24.9732, 44.5922

Triad

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



20.3863, 24.9732, 39.8222



29.2170, 24.9732, 30.5211



22.1867, 24.9732, 15.2759

Complementary

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



20.3863, 24.9732, 39.8222



21.5997, 17.5960, 9.6560

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.



24.8720, 24.9732, 15.0334



20.3863, 24.9732, 39.8222



29.0736, 24.9732, 22.9011

Square

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



20.3863, 24.9732, 39.8222



27.8123, 24.9732, 38.5742



27.4345, 24.9732, 17.5614



20.0793, 24.9732, 18.3023

Rectangle

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



20.3863, 24.9732, 39.8222



24.4387, 24.9732, 44.8895



27.4345, 24.9732, 17.5614



23.0474, 24.9732, 14.8902

Sweetspot

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



20.3871, 24.9741, 39.8228



54.5458, 60.4423, 74.2669



19.0589, 29.8143, 16.2694



11.9351, 13.3078, 16.5917



80.6108, 84.8088, 92.3568



14.7206, 15.4872, 16.8656

Same Dimension

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



20.3871, 24.9741, 39.8228



33.2411, 41.5593, 71.7450



15.0234, 14.2467, 38.0349



7.5992, 8.2353, 9.6074



11.3435, 14.1472, 30.1083



0.3109, 0.4140, 0.7442

Inverse Universe

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



23.7109, 15.7751, 28.9903



40.2191, 23.9977, 48.6104



26.7144, 27.8254, 11.3609



7.7670, 7.6367, 9.0904



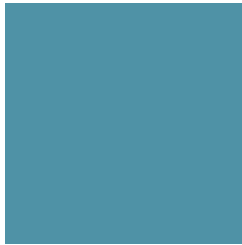
15.2263, 7.4992, 16.5350



0.3881, 0.1895, 0.4951

Previews

White Background



This preview shows how the XYZ color 20.3863, 24.9732, 39.8222 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

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 20.3863, 24.9732, 39.8222 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

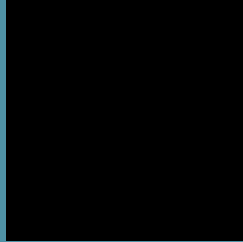
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 20.3863, 24.9732, 39.8222

Background



This preview shows how black text looks on a background with the XYZ color 20.3863, 24.9732, 39.8222.



This preview shows how white text looks on a background with the XYZ color 20.3863, 24.9732,

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

20.3863, 24.9732, 39.8222

Protanopia

24.4377, 24.7367, 36.2875

Deuteranopia

25.2218, 24.6262, 40.9601



Tritanopia

19.7523, 24.9484, 36.5754

Trichromacy



Original Color

20.3863, 24.9732, 39.8222

Protanomaly

22.5643, 24.5846, 37.7385

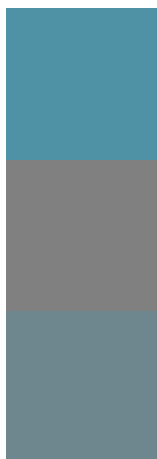
Deuteranomaly

22.9664, 24.5148, 40.5672

Tritanomaly

20.0972, 25.0958, 37.9672

Monochromacy



Original Color

20.3863, 24.9732, 39.8222

Achromatopsia

20.5175, 21.5861, 23.5072

Achromatomaly

19.9769, 22.5959, 28.8997

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.3863, 24.9732, 39.8222 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(79, 146, 166)` looks like.

```
.text, #text, p{  
    color:rgb(79, 146, 166)  
}
```

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(79, 146, 166) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(79, 146, 166) }
```

Border

The CSS property to change the border of an element to XYZ 20.3863, 24.9732, 39.8222 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(79, 146, 166) }
```


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

```
.border{ border-color:rgb(79, 146, 166) }
```

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

Here you see how a box with a 4 pixel `rgb(79, 146, 166)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(79, 146, 166); -webkit-box-  
shadow:4px 4px 4px 4px rgb(79, 146, 166);  
box-shadow:4px 4px 4px 4px rgb(79, 146,  
166) }
```

Background

The CSS property to change the background color of an element to XYZ 20.3863, 24.9732, 39.8222 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(79, 146, 166) }
```

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

```
.background{ background-color: rgb(79, 146,  
166) }
```

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