

Converting Colors

XYZ(17.3492, 23.3339, 24.9226)

Have a look what the booklet for
XYZ(17.3492, 23.3339, 24.9226)
contains.

XYZ(17.3783, 23.2907, 25.0524)	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(17.3783, 23.2907,
25.0524)**

Conversions

Conversions Part 1

Format	Color
Hex	509083
RGB	80, 144, 131
RGB Percent	31%, 56%, 51%
CMY	0.6863, 0.4353, 0.4863
CMYK	0.44, 0.00, 0.09, 0.44
HSL	168°, 29%, 44%
HSV	168°, 44%, 56%
XYZ	17.3783, 23.2907, 25.0524
YIQ	123.3820, -33.9710, -17.6110

Conversions

Conversions Part 2

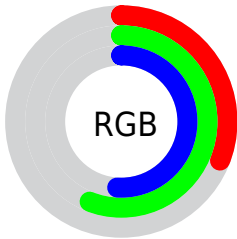
Format	Color
R_{YB}	80, 116, 144
Decimal	5279875
CIE _{Lab}	55.37, -23.84, 0.50
CIE _{LCh}	55, 23.849, 178.801
Y _{xy}	23.2907, 0.2644, 0.3544
Android (android.graphics.Color)	4283469955 (0xFF509083)
YUV	123.3820, 3.7557, -38.0460
Hunter-Lab	48.2604, -20.1790, 3.0044

Details

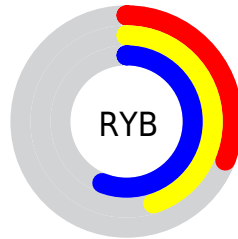
The XYZ color **17.3783, 23.2907, 25.0524** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **16.3469, 12.4576, 11.8999**, and the grayscale version is **18.9495, 19.9364, 21.7107**.

A 20% lighter version of the original color is **38.5187, 48.8354, 52.7434**, and **5.8633, 8.6575, 9.3447** is the 20% darker color. If you saturate the color by 10%, you get **16.0950, 22.6523, 23.9723**, and if you desaturate by 10%, it is **18.9291, 24.0675, 26.1753**.

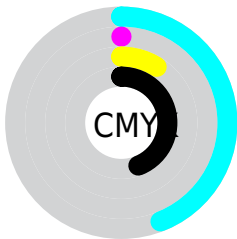
Distribution



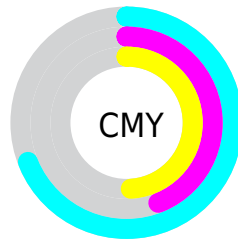
- Red (31%)
- Green (56%)
- Blue (51%)



- Red (31%)
- Yellow (45%)
- Blue (56%)



- Cyan (44%)
- Magenta (0%)
- Yellow (9%)
- Black (44%)



- Cyan (69%)
- Magenta (44%)
- Yellow (49%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 17.3783, 23.2907, 25.0524 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 17.3783, 23.2907, 25.0524 by changing the saturation by 10% instead.

■ 17.3783, 23.2907,
25.0524

■ 17.3783, 23.2907,
25.0524

230.4571,
269.2146, 291.5548

■ 10.6015, 14.8083,
15.8967

■ 38.5135, 48.8702,
52.7074

■ 5.8649, 8.6850,
9.2975

■ 53.6027, 66.7361,
72.0438

■ 2.8030, 4.5363,
4.8363

■ 72.1934, 88.4987,
95.6108

■ 1.0504, 1.9778,
2.0945

■ 94.6509, 114.5422,
123.8271

■ 0.0000, 0.5945,
0.6125

■ 121.3407,
145.2512, 157.1111

■ 0.0000, 0.0000,
0.0000

152.6281,

181.0100, 195.8813

188.8784,
222.2030, 240.5564

■ 17.3783, 23.2907,
25.0524

■ 17.3783, 23.2907,
25.0524

■ 16.0950, 22.6523,
23.9723

■ 18.9291, 24.0675,
26.1753

■ 15.0604, 22.1409,
22.9323

■ 20.7609, 24.9879,
27.3402

■ 14.2563, 21.7477,
21.9319

■ 22.8884, 26.0602,
28.5487


■ 13.6613, 21.4616,
20.9698


■ 25.3249, 27.2910,
29.8016


■ 13.2480, 21.2686,
20.0444

■ 28.0827, 28.6869,
31.0997

 13.0537, 21.1793,
19.5440

 31.1736, 30.2537,
32.4437

 34.6088, 31.9974,
33.8345

 38.3987, 33.9233,
35.2726

 42.5537, 36.0366,
36.7589

Harmonies

Analogous

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



18.0187, 23.2907, 18.4627



17.3783, 23.2907, 25.0524



17.9250, 23.2907, 33.1474

Triad

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



17.3783, 23.2907, 25.0524



24.7114, 23.2907, 40.5995



24.9127, 23.2907, 14.7223

Complementary

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



17.3783, 23.2907, 25.0524



16.3469, 12.4576, 11.8999

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.



26.9623, 23.2907, 18.8984



17.3783, 23.2907, 25.0524



26.8396, 23.2907, 33.7903

Square

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



17.3783, 23.2907, 25.0524



22.0296, 23.2907, 43.1427



27.6939, 23.2907, 25.6693



22.2450, 23.2907, 13.2897

Rectangle

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



17.3783, 23.2907, 25.0524



18.9161, 23.2907, 38.1510



27.6939, 23.2907, 25.6693



25.7045, 23.2907, 15.8042

Sweetspot

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



17.3790, 23.2916, 25.0529



40.8453, 46.2031, 50.6073



16.0244, 22.8993, 11.1654



9.1801, 10.5012, 11.5048



69.3244, 72.9347, 79.4259



10.7221, 11.2805, 12.2844

Same Dimension

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



17.3790, 23.2916, 25.0529



28.4598, 39.9881, 42.3467



15.7869, 18.6076, 29.1462



5.5140, 6.0978, 6.6724



11.3755, 18.4461, 17.0632



0.1164, 0.1794, 0.2035

Inverse Universe

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



16.3469, 12.4576, 11.8999



26.4162, 18.4268, 16.2218



17.3305, 15.2696, 9.6238



5.4509, 5.4409, 5.8725



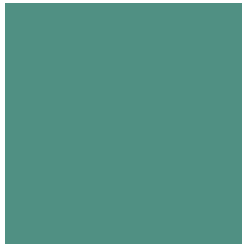
10.2190, 5.2446, 1.5385



0.1043, 0.0528, 0.0493

Previews

White Background



This preview shows how the XYZ color 17.3783, 23.2907, 25.0524 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 17.3783, 23.2907, 25.0524 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

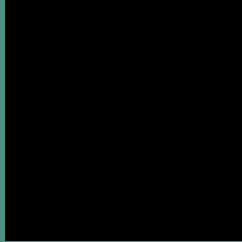
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 17.3783, 23.2907, 25.0524

Background



This preview shows how black text looks on a background with the XYZ color 17.3783, 23.2907, 25.0524.

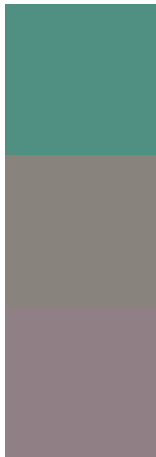


This preview shows how white text looks on a background with the XYZ color 17.3783, 23.2907,

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

17.3783, 23.2907, 25.0524

Protanopia

21.9077, 22.9221, 22.3385

Deuteranopia

23.5238, 23.0889, 25.7710



Tritanopia

19.0301, 23.2952, 33.1992

Trichromacy



Original Color

17.3783, 23.2907, 25.0524

Protanomaly

19.8374, 22.8536, 23.4443

Deuteranomaly

20.6439, 22.8086, 25.5048

Tritanomaly

18.3632, 23.2444, 29.9043

Monochromacy



Original Color

17.3783, 23.2907, 25.0524

Achromatopsia

18.8265, 19.8069, 21.5697

Achromatomaly

17.9456, 20.8648, 22.8201

CSS Examples

Text

The CSS property to change the color of the text to XYZ 17.3783, 23.2907, 25.0524 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, 144, 131)` looks like.

```
.text, #text, p{  
    color:rgb(80, 144, 131)  
}
```

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, 144, 131) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(80, 144, 131) }
```

Border

The CSS property to change the border of an element to XYZ 17.3783, 23.2907, 25.0524 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, 144, 131) }
```


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

```
.border{ border-color:rgb(80, 144, 131) }
```

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

Here you see how a box with a 4 pixel `rgb(80, 144, 131)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(80, 144, 131); -webkit-box-  
shadow:4px 4px 4px 4px rgb(80, 144, 131);  
box-shadow:4px 4px 4px 4px rgb(80, 144,  
131) }
```

Background

The CSS property to change the background color of an element to XYZ 17.3783, 23.2907, 25.0524 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(80, 144, 131) }
```

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

```
.background{ background-color: rgb(80, 144,  
131) }
```

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