

Converting Colors

XYZ(18.6809, 23.3523, 22.4909)

Have a look what the booklet for
XYZ(18.6809, 23.3523, 22.4909)
contains.

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Color

**XYZ(18.7565, 23.3886,
22.5947)**

Conversions

Conversions Part 1

Format	Color
Hex	678D7C
RGB	103, 141, 124
RGB Percent	40%, 55%, 49%
CMY	0.5961, 0.4470, 0.5137
CMYK	0.27, 0.00, 0.12, 0.45
HSL	153°, 16%, 48%
HSV	153°, 27%, 55%
XYZ	18.7565, 23.3886, 22.5947
YIQ	127.7000, -17.1910, -13.3430

Conversions

Conversions Part 2

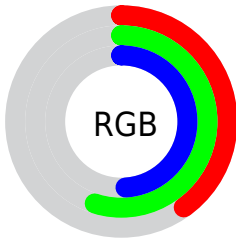
Format	Color
RYB	103, 127, 141
Decimal	6786428
CIELab	55.47, -16.96, 4.82
CIElCh	55, 17.633, 164.145
Yxy	23.3886, 0.2897, 0.3613
Android (android.graphics.Color)	4284976508 (0xFF678D7C)
YUV	127.7000, -1.8241, -21.6619
Hunter-Lab	48.3618, -15.4041, 6.1528

Details

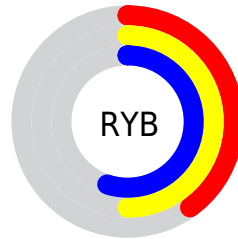
The XYZ color **18.7565, 23.3886, 22.5947** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **19.2257, 16.7198, 19.9842**, and the grayscale version is **20.4248, 21.4885, 23.4010**.

A 20% lighter version of the original color is **40.8691, 49.1334, 48.4040**, and **6.5866, 8.8024, 8.0085** is the 20% darker color. If you saturate the color by 10%, you get **16.8874, 22.4703, 20.4911**, and if you desaturate by 10%, it is **20.9252, 24.4596, 24.8465**.

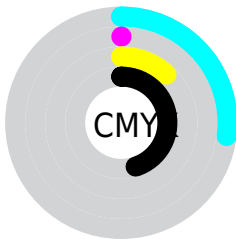
Distribution



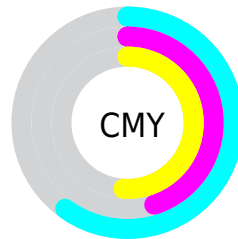
- Red (40%)
- Green (55%)
- Blue (49%)



- Red (40%)
- Yellow (50%)
- Blue (55%)



- Cyan (27%)
- Magenta (0%)
- Yellow (12%)
- Black (45%)



- Cyan (60%)
- Magenta (45%)
- Yellow (51%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.7565, 23.3886, 22.5947 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 18.7565, 23.3886, 22.5947 by changing the saturation by 10% instead.

■ 18.7565, 23.3886,
22.5947

■ 18.7565, 23.3886,
22.5947

238.0652,
269.7147, 278.6905

■ 11.5974, 14.8807,
14.0920

■ 40.8423, 49.0306,
48.6417

■ 6.5404, 8.7357,
8.0452

■ 56.4997, 66.9335,
67.0231

■ 3.2201, 4.5692,
4.0357

■ 75.7207, 88.7369,
89.5345

■ 1.2712, 1.9968,
1.6450

■ 98.8704, 114.8252,
116.5945

■ 0.1615, 0.6056,
0.3226

126.3144,
145.5827, 148.6215

■ 0.0000, 0.0000,
0.0000

158.4180,

181.3938, 186.0342

195.5464,
222.6430, 229.2510

■ 18.7565, 23.3886,
22.5947

■ 18.7565, 23.3886,
22.5947

■ 16.8874, 22.4703,
20.4911

■ 20.9252, 24.4596,
24.8465

■ 15.3019, 21.6947,
18.5312

■ 23.4047, 25.6873,
27.2481

■ 13.9851, 21.0548,
16.7120

■ 26.2080, 27.0788,
29.8028

■ 12.9203, 20.5420,
15.0303

■ 29.3469, 28.6402,
32.5135

■ 12.0885, 20.1466,
13.4823

■ 32.8324, 30.3772,
35.3830

■ 11.4681, 19.8575,
12.0644

■ 36.6751, 32.2950,
38.4139

■ 11.0213, 19.6553,
10.7719

■ 40.8850, 34.3990,
41.6088

■ 10.8976, 19.5996,
10.4013

■ 45.4720, 36.6940,
44.9702

■ 50.4452, 39.1848,
48.5007

Harmonies

Analogous

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



19.6760, 23.3886, 18.3992



18.7565, 23.3886, 22.5947



18.7302, 23.3886, 28.2325

Triad

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



18.7565, 23.3886, 22.5947



23.1762, 23.3886, 37.6064



25.0835, 23.3886, 18.5855

Complementary

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



18.7565, 23.3886, 22.5947



19.2257, 16.7198, 19.9842

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.



26.1410, 23.3886, 22.8868



18.7565, 23.3886, 22.5947



24.9963, 23.3886, 34.1443

Square

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



18.7565, 23.3886, 22.5947



21.2035, 23.3886, 37.4971



26.1082, 23.3886, 28.5712



23.2894, 23.3886, 16.3307

Rectangle

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



18.7565, 23.3886, 22.5947



19.2182, 23.3886, 32.1088



26.1082, 23.3886, 28.5712



25.5415, 23.3886, 19.8094

Sweetspot

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



18.7571, 23.3896, 22.5952



41.3395, 45.7158, 48.2552



19.7335, 24.0303, 16.4305



9.0924, 10.1409, 10.6441



67.5393, 71.0566, 77.3807



10.1266, 10.6539, 11.6021

Same Dimension

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



18.7571, 23.3896, 22.5952



31.6055, 40.9087, 38.2697



19.6491, 23.3019, 28.6626



5.4597, 6.0761, 6.3868



9.9441, 17.8735, 9.5260



0.1062, 0.1753, 0.1496

Inverse Universe

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



19.2257, 16.7198, 19.9842



32.5826, 27.0085, 32.8308



18.4748, 16.7253, 15.0868



5.5029, 5.4617, 6.1461



10.8438, 5.4945, 4.8288



0.1145, 0.0569, 0.1032

Previews

White Background



This preview shows how the XYZ color 18.7565, 23.3886, 22.5947 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 18.7565, 23.3886, 22.5947 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

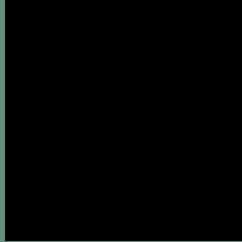
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 18.7565, 23.3886, 22.5947

Background



This preview shows how black text looks on a background with the XYZ color 18.7565, 23.3886, 22.5947.



This preview shows how white text looks on a background with the XYZ color 18.7565, 23.3886,

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

18.7565, 23.3886, 22.5947

Protanopia

22.0623, 23.2377, 20.7753

Deuteranopia

23.5826, 23.1737, 23.3087



Tritanopia

20.4753, 23.2176, 31.4193

Trichromacy



Original Color

18.7565, 23.3886, 22.5947

Protanomaly

20.5726, 23.0684, 21.4575

Deuteranomaly

21.5135, 23.1067, 23.0648

Tritanomaly

19.6925, 23.1052, 27.8479

Monochromacy



Original Color

18.7565, 23.3886, 22.5947

Achromatopsia

20.5175, 21.5861, 23.5072

Achromatomaly

19.8260, 22.2293, 23.3244

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.7565, 23.3886, 22.5947 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(103, 141, 124)` looks like.

```
.text, #text, p{  
    color:rgb(103, 141, 124)  
}
```

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(103, 141, 124) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(103, 141, 124) }
```

Border

The CSS property to change the border of an element to XYZ 18.7565, 23.3886, 22.5947 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(103, 141, 124) }
```


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

```
.border{ border-color:rgb(103, 141, 124) }
```

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

Here you see how a box with a 4 pixel `rgb(103, 141, 124)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(103, 141, 124); -webkit-box-  
shadow:4px 4px 4px 4px rgb(103, 141, 124);  
box-shadow:4px 4px 4px 4px rgb(103, 141,  
124) }
```

Background

The CSS property to change the background color of an element to XYZ 18.7565, 23.3886, 22.5947 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(103, 141, 124) }
```

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

```
.background{ background-color: rgb(103,  
141, 124) }
```

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](#).

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