

Converting Colors

XYZ(20.1192, 23.8875, 24.4946)

Have a look what the booklet for
XYZ(20.1192, 23.8875, 24.4946)
contains.

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Color

**XYZ(20.0894, 23.8126,
24.6566)**

Conversions

Conversions Part 1

Format	Color
Hex	708C82
RGB	112, 140, 130
RGB Percent	44%, 55%, 51%
CMY	0.5608, 0.4510, 0.4902
CMYK	0.20, 0.00, 0.07, 0.45
HSL	159°, 11%, 49%
HSV	159°, 20%, 55%
XYZ	20.0894, 23.8126, 24.6566
YIQ	130.4880, -13.4780, -9.0460

Conversions

Conversions Part 2

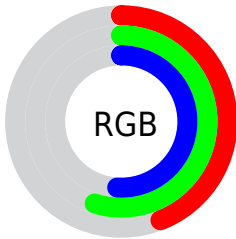
Format	Color
RYB	112, 129, 140
Decimal	7376002
CIELab	55.90, -12.07, 2.06
CIELCh	56, 12.249, 170.318
Yxy	23.8126, 0.2930, 0.3473
Android (android.graphics.Color)	4285566082 (0xFF708C82)
YUV	130.4880, -0.2406, -16.2140
Hunter-Lab	48.7982, -11.9113, 4.2008

Details

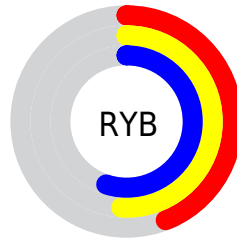
The XYZ color **20.0894, 23.8126, 24.6566** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **20.1230, 18.5694, 20.9369**, and the grayscale version is **21.3958, 22.5101, 24.5134**.

A 20% lighter version of the original color is **43.1489, 49.8950, 52.1563**, and **7.2557, 8.9964, 9.1386** is the 20% darker color. If you saturate the color by 10%, you get **18.1173, 22.8344, 22.8548**, and if you desaturate by 10%, it is **22.3562, 24.9421, 26.5584**.

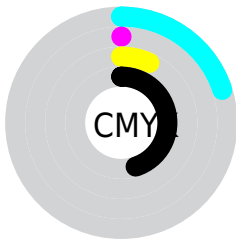
Distribution



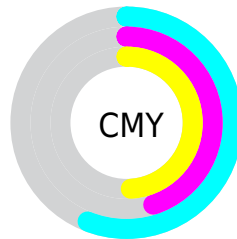
- Red (44%)
- Green (55%)
- Blue (51%)



- Red (44%)
- Yellow (51%)
- Blue (55%)



- Cyan (20%)
- Magenta (0%)
- Yellow (7%)
- Black (45%)



- Cyan (56%)
- Magenta (45%)
- Yellow (49%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.0894, 23.8126, 24.6566 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 20.0894, 23.8126, 24.6566 by changing the saturation by 10% instead.

■ 20.0894, 23.8126,
24.6566

■ 20.0894, 23.8126,
24.6566

245.2230,
271.8717, 289.5162

■ 12.5687, 15.1947,
15.6047

■ 43.0698, 49.7242,
52.0568

■ 7.2072, 8.9561,
9.0936

■ 59.2602, 67.7867,
71.2421

■ 3.6395, 4.7126,
4.7046

■ 79.0713, 89.7661,
94.6424

■ 1.5003, 2.0796,
2.0193

■ 102.8683,
116.0469, 122.6761

■ 0.3260, 0.6531,
0.5671

131.0166,
147.0135, 155.7618

■ 0.0000, 0.0000,
0.0000

163.8816,

183.0502, 194.3180

201.8286,
224.5415, 238.7633

■ 20.0894, 23.8126,
24.6566

■ 20.0894, 23.8126,
24.6566

■ 18.1173, 22.8344,
22.8548

■ 22.3562, 24.9421,
26.5584

■ 16.4249, 21.9979,
21.1496

■ 24.9278, 26.2262,
28.5602

■ 14.9988, 21.2969,
19.5396

■ 27.8164, 27.6717,
30.6644

■ 13.8238, 20.7236,
18.0229

■ 31.0327, 29.2842,
32.8726

■ 12.8830, 20.2692,
16.5974

■ 34.5873, 31.0691,
35.1863

■ 12.1575, 19.9240,
15.2609

■ 38.4898, 33.0314,
37.6071

■ 11.6250, 19.6766,
14.0109

■ 42.7498, 35.1759,
40.1365

■ 11.2238, 19.4952,
12.8435

■ 47.3763, 37.5074,
42.7760

■ 52.3782, 40.0302,
45.5270

Harmonies

Analogous

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



20.6300, 23.8126, 21.3233



20.0894, 23.8126, 24.6566



20.2086, 23.8126, 28.6893

Triad

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



20.0894, 23.8126, 24.6566



23.5779, 23.8126, 33.8242



24.3904, 23.8126, 20.4512

Complementary

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



20.0894, 23.8126, 24.6566



20.1230, 18.5694, 20.9369

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.



25.2443, 23.8126, 23.3496



20.0894, 23.8126, 24.6566



24.7620, 23.8126, 31.1517

Square

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



20.0894, 23.8126, 24.6566



22.1848, 23.8126, 34.2663



25.3831, 23.8126, 27.2421



23.0875, 23.8126, 19.0654

Rectangle

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



20.0894, 23.8126, 24.6566



20.6480, 23.8126, 31.2256



25.3831, 23.8126, 27.2421



24.7417, 23.8126, 21.2660

Sweetspot

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



20.0901, 23.8136, 24.6571



41.1048, 44.8161, 48.1678



20.3673, 24.0841, 18.9047



9.4146, 10.2983, 11.0543



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.



20.0901, 23.8136, 24.6571



33.7887, 41.1731, 42.0170



20.2582, 23.0226, 28.1882



5.0983, 5.6588, 6.0384



9.9820, 17.3254, 11.4620



0.0733, 0.1179, 0.1130

Inverse Universe

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



20.1230, 18.5694, 20.9369



33.8582, 30.1954, 34.2320



19.9552, 19.1752, 17.9789



5.1019, 5.0762, 5.6249



10.1303, 5.1622, 3.1903



0.0738, 0.0369, 0.0555

Previews

White Background



This preview shows how the XYZ color 20.0894, 23.8126, 24.6566 looks on a white background.

Color Contrast Check

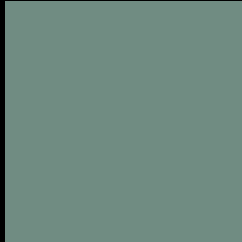
Large Text (above 18pt) WCAG AA ✓ Pass

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 20.0894, 23.8126, 24.6566 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

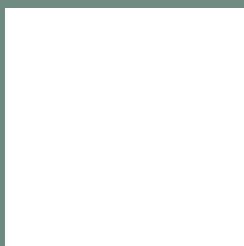
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 20.0894, 23.8126, 24.6566

Background



This preview shows how black text looks on a background with the XYZ color 20.0894, 23.8126, 24.6566.



This preview shows how white text looks on a background with the XYZ color 20.0894, 23.8126,

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

20.0894, 23.8126, 24.6566

Protanopia

22.6347, 23.6847, 23.1173

Deuteranopia

24.0477, 23.5695, 25.1117



Tritanopia

21.3612, 23.6743, 31.4607

Trichromacy



Original Color

20.0894, 23.8126, 24.6566

Protanomaly

21.6882, 23.8078, 23.5309

Deuteranomaly

22.3158, 23.4821, 24.8291

Tritanomaly

20.8356, 23.6775, 28.6714

Monochromacy



Original Color

20.0894, 23.8126, 24.6566

Achromatopsia

21.2178, 22.3228, 24.3095

Achromatomaly

20.7227, 22.8729, 24.4418

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.0894, 23.8126, 24.6566 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(112, 140, 130)` looks like.

```
.text, #text, p{  
    color:rgb(112, 140, 130)  
}
```

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(112, 140, 130) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(112, 140, 130) }
```

Border

The CSS property to change the border of an element to XYZ 20.0894, 23.8126, 24.6566 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(112, 140, 130) }
```


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

```
.border{ border-color:rgb(112, 140, 130) }
```

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

Here you see how a box with a 4 pixel `rgb(112, 140, 130)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(112, 140, 130); -webkit-box-  
shadow:4px 4px 4px 4px rgb(112, 140, 130);  
box-shadow:4px 4px 4px 4px rgb(112, 140,  
130) }
```

Background

The CSS property to change the background color of an element to XYZ 20.0894, 23.8126, 24.6566 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(112, 140, 130) }
```

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

```
.background{ background-color: rgb(112,  
140, 130) }
```

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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