

Converting Colors

XYZ(20.5422, 23.7435, 25.0490)

Have a look what the booklet for
XYZ(20.5422, 23.7435, 25.0490)
contains.

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Color

**XYZ(20.5318, 23.8169,
24.9877)**

Conversions

Conversions Part 1

Format	Color
Hex	748B83
RGB	116, 139, 131
RGB Percent	45%, 55%, 51%
CMY	0.5451, 0.4549, 0.4863
CMYK	0.17, 0.00, 0.06, 0.45
HSL	159°, 9%, 50%
HSV	159°, 17%, 55%
XYZ	20.5318, 23.8169, 24.9877
YIQ	131.2110, -11.1400, -7.3640

Conversions

Conversions Part 2

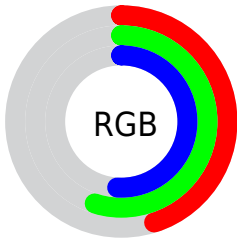
Format	Color
R_{YB}	116, 130, 139
Decimal	7637891
CIE Lab	55.90, -9.92, 1.52
CIE LCh	56, 10.039, 171.267
Yxy	23.8169, 0.2961, 0.3435
Android (android.graphics.Color)	4285827971 (0xFF748B83)
YUV	131.2110, -0.1040, -13.3400
Hunter-Lab	48.8026, -10.3075, 3.8044

Details

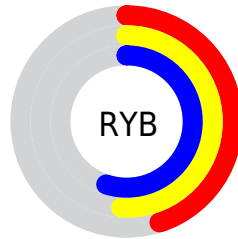
The XYZ color **20.5318, 23.8169, 24.9877** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **20.5318, 19.4356, 21.7391**, and the grayscale version is **21.6525, 22.7801, 24.8076**.

A 20% lighter version of the original color is **43.8701, 49.9255, 52.6718**, and **7.4101, 8.9472, 9.3191** is the 20% darker color. If you saturate the color by 10%, you get **18.5006, 22.8074, 23.2218**, and if you desaturate by 10%, it is **22.8562, 24.9771, 26.8482**.

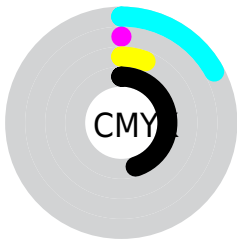
Distribution



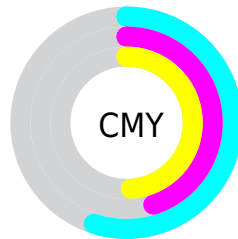
- Red (45%)
- Green (55%)
- Blue (51%)



- Red (45%)
- Yellow (51%)
- Blue (55%)



- Cyan (17%)
- Magenta (0%)
- Yellow (6%)
- Black (45%)



- Cyan (55%)
- Magenta (45%)
- Yellow (49%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.5318, 23.8169, 24.9877 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 20.5318, 23.8169, 24.9877 by changing the saturation by 10% instead.

■ 20.5318, 23.8169,
24.9877

■ 20.5318, 23.8169,
24.9877

247.5588,
271.8935, 291.2224

■ 12.8927, 15.1979,
15.8490

■ 43.8042, 49.7312,
52.6011

■ 7.4312, 8.9584,
9.2641

■ 60.1682, 67.7953,
71.9129

■ 3.7819, 4.7140,
4.8147

■ 80.1712, 89.7765,
95.4528

■ 1.5795, 2.0805,
2.0821

104.1785,
116.0593, 123.6393

■ 0.3790, 0.6536,
0.6051

132.5556,
147.0280, 156.8910

■ 0.0000, 0.0000,
0.0000

165.6678,

183.0670, 195.6263

203.8804,
224.5607, 240.2640

■ 20.5318, 23.8169,
24.9877

■ 20.5318, 23.8169,
24.9877

■ 18.5006, 22.8074,
23.2218

■ 22.8562, 24.9771,
26.8482

■ 16.7480, 21.9392,
21.5473

■ 25.4834, 26.2909,
28.8032

■ 15.2615, 21.2064,
19.9629

■ 28.4252, 27.7651,
30.8550

■ 14.0264, 20.6015,
18.4669

■ 31.6919, 29.4049,
33.0049

■ 13.0269, 20.1164,
17.0573

■ 35.2936, 31.2156,
35.2544

■ 12.2451, 19.7419,
15.7322

■ 39.2398, 33.2020,
37.6051

■ 11.6605, 19.4674,
14.4893

■ 43.5396, 35.3688,
40.0582

■ 11.2387, 19.2753,
13.3259

■ 48.2019, 37.7205,
42.6152

■ 11.1061, 19.2153,
12.9413

■ 53.2351, 40.2615,
45.2773

Harmonies

Analogous

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



20.9642, 23.8169, 22.1870



20.5318, 23.8169, 24.9877



20.6485, 23.8169, 28.2855

Triad

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



20.5318, 23.8169, 24.9877



23.4446, 23.8169, 32.2579



24.0418, 23.8169, 21.3219

Complementary

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



20.5318, 23.8169, 24.9877



20.5318, 19.4356, 21.7391

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.



24.7498, 23.8169, 23.7139



20.5318, 23.8169, 24.9877



24.3970, 23.8169, 30.0776

Square

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



20.5318, 23.8169, 24.9877



22.3049, 23.8169, 32.6714



24.8819, 23.8169, 26.9009



22.9729, 23.8169, 20.1906

Rectangle

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



20.5318, 23.8169, 24.9877



21.0237, 23.8169, 30.3138



24.8819, 23.8169, 26.9009



24.3313, 23.8169, 21.9952

Sweetspot

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



20.5325, 23.8179, 24.9882



41.5727, 45.0488, 48.5714



20.7052, 24.0160, 20.0677



9.5151, 10.3482, 11.1429



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.



20.5325, 23.8179, 24.9882



35.2931, 41.9174, 43.4982



20.6043, 23.0598, 27.7922



5.1002, 5.6595, 6.0484



10.0316, 17.3452, 11.7231



0.0736, 0.1180, 0.1144

Inverse Universe

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



20.5318, 19.4356, 21.7391



35.2919, 32.4810, 36.5036



20.4511, 20.0516, 19.3158



5.1000, 5.0755, 5.6153



10.1055, 5.1523, 3.0600



0.0736, 0.0368, 0.0542

Previews

White Background



This preview shows how the XYZ color 20.5318, 23.8169, 24.9877 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 20.5318, 23.8169, 24.9877 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

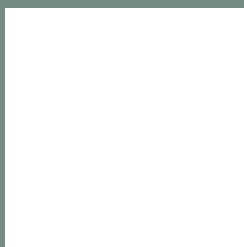
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 20.5318, 23.8169, 24.9877

Background



This preview shows how black text looks on a background with the XYZ color 20.5318, 23.8169, 24.9877.



This preview shows how white text looks on a background with the XYZ color 20.5318, 23.8169,

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

20.5318, 23.8169, 24.9877

Protanopia

22.6003, 23.6519, 23.7962

Deuteranopia

24.1165, 23.5970, 25.4739



Tritanopia

21.8199, 23.9198, 31.0707

Trichromacy



Original Color

20.5318, 23.8169, 24.9877

Protanomaly

21.6797, 23.5801, 24.1776

Deuteranomaly

22.7057, 23.6752, 25.2029

Tritanomaly

21.3674, 23.9516, 28.6962

Monochromacy



Original Color

20.5318, 23.8169, 24.9877

Achromatopsia

21.5731, 22.6966, 24.7166

Achromatomaly

21.2260, 23.1245, 24.8175

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.5318, 23.8169, 24.9877 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(116, 139, 131)` looks like.

```
.text, #text, p{  
    color:rgb(116, 139, 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(116, 139, 131) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(116, 139, 131) }
```

Border

The CSS property to change the border of an element to XYZ 20.5318, 23.8169, 24.9877 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(116, 139, 131) }
```


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

```
.border{ border-color:rgb(116, 139, 131) }
```

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

Here you see how a box with a 4 pixel `rgb(116, 139, 131)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(116, 139, 131); -webkit-box-  
shadow:4px 4px 4px 4px rgb(116, 139, 131);  
box-shadow:4px 4px 4px 4px rgb(116, 139,  
131) }
```

Background

The CSS property to change the background color of an element to XYZ 20.5318, 23.8169, 24.9877 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(116, 139, 131) }
```

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

```
.background{ background-color: rgb(116,  
139, 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](#).

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