

Converting Colors

XYZ(21.0072, 23.8463, 27.5006)

Have a look what the booklet for
XYZ(21.0072, 23.8463, 27.5006)
contains.

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Color

**XYZ(21.0120, 23.7938,
27.5300)**

Conversions

Conversions Part 1

Format	Color
Hex	758A8A
RGB	117, 138, 138
RGB Percent	46%, 54%, 54%
CMY	0.5412, 0.4588, 0.4588
CMYK	0.15, 0.00, 0.00, 0.46
HSL	180°, 8%, 50%
HSV	180°, 15%, 54%
XYZ	21.0120, 23.7938, 27.5300
YIQ	131.7210, -12.5160, -4.4520

Conversions

Conversions Part 2

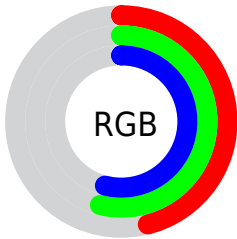
Format	Color
RYB	117, 128, 138
Decimal	7703178
CIELab	55.88, -7.50, -2.54
CIElCh	56, 7.919, 198.672
Yxy	23.7938, 0.2905, 0.3289
Android (android.graphics.Color)	4285893258 (0xFF758A8A)
YUV	131.7210, 3.0955, -12.9103
Hunter-Lab	48.7789, -8.4724, 0.6829

Details

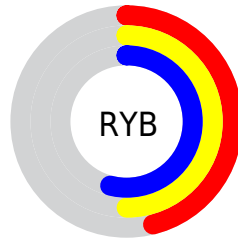
The XYZ color **21.0120, 23.7938, 27.5300** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **20.0542, 19.4108, 19.5202**, and the grayscale version is **21.8246, 22.9612, 25.0048**.

A 20% lighter version of the original color is **44.3970, 49.4582, 56.4966**, and **7.6351, 8.9130, 10.5505** is the 20% darker color. If you saturate the color by 10%, you get **19.2929, 22.9082, 27.4496**, and if you desaturate by 10%, it is **23.0058, 24.8223, 27.6243**.

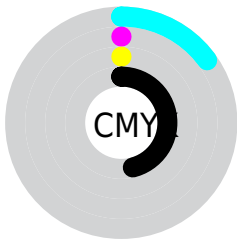
Distribution



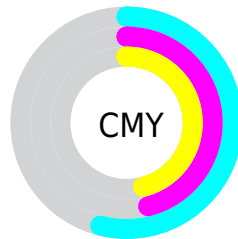
- Red (46%)
- Green (54%)
- Blue (54%)



- Red (46%)
- Yellow (50%)
- Blue (54%)



- Cyan (15%)
- Magenta (0%)
- Yellow (0%)
- Black (46%)



- Cyan (54%)
- Magenta (46%)
- Yellow (46%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.0120, 23.7938, 27.5300 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 21.0120, 23.7938, 27.5300 by changing the saturation by 10% instead.

■ 21.0120, 23.7938,
27.5300

■ 21.0120, 23.7938,
27.5300

250.0728,
271.7763, 304.0552

■ 13.2453, 15.1807,
17.7357

■ 44.5986, 49.6935,
56.7472

■ 7.6758, 8.9463,
10.5929

■ 61.1493, 67.7489,
77.0072

■ 3.9383, 4.7062,
5.6831

■ 81.3586, 89.7206,
101.5929

■ 1.6673, 2.0759,
2.5877

105.5919,
115.9929, 130.9228

■ 0.4357, 0.6510,
0.8861

134.2146,
146.9502, 165.4154

■ 0.0000, 0.0000,
0.0000

167.5921,

182.9770, 205.4893

206.0897,
224.4576, 251.5631

■ 21.0120, 23.7938,
27.5300

■ 21.0120, 23.7938,
27.5300

■ 19.2929, 22.9082,
27.4496

■ 23.0058, 24.8223,
27.6243

■ 17.8346, 22.1565,
27.3809

■ 25.2836, 25.9965,
27.7313

■ 16.6250, 21.5329,
27.3238

■ 27.8564, 27.3228,
27.8522

■ 15.6502, 21.0303,
27.2778

■ 30.7345, 28.8065,
27.9873

■ 14.8949, 20.6410,
27.2419

■ 33.9272, 30.4524,
28.1372

■ 14.3422, 20.3561,
27.2156

■ 37.4437, 32.2652,
28.3022

■ 13.9725, 20.1655,
27.1979

■ 41.2929, 34.2495,
28.4828

■ 13.7583, 20.0551,
27.1874

■ 45.4831, 36.4097,
28.6794

■ 13.6757, 20.0125,
27.1833

■ 50.0224, 38.7498,
28.8923

Harmonies

Analogous

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



20.9573, 23.7938, 24.9441



21.0120, 23.7938, 27.5300



21.4894, 23.7938, 29.8184

Triad

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



21.0120, 23.7938, 27.5300



23.9426, 23.7938, 29.3272



22.9576, 23.7938, 21.3368

Complementary

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



21.0120, 23.7938, 27.5300



20.0542, 19.4108, 19.5202

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.



23.7798, 23.7938, 22.3543



21.0120, 23.7938, 27.5300



24.3585, 23.7938, 26.8952

Square

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



21.0120, 23.7938, 27.5300



23.1750, 23.7938, 30.9026



24.2981, 23.7938, 24.3498



22.0647, 23.7938, 21.4817

Rectangle

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



21.0120, 23.7938, 27.5300



21.9905, 23.7938, 30.8142



24.2981, 23.7938, 24.3498



23.2519, 23.7938, 21.5513

Sweetspot

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



21.0127, 23.7948, 27.5305



40.5920, 43.7733, 48.6924



19.6832, 23.2685, 20.2838



9.0537, 9.7919, 10.9191



65.7814, 69.2071, 75.3665



9.5508, 10.0482, 10.9424

Same Dimension

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



21.0127, 23.7948, 27.5305



36.0259, 41.4195, 48.4777



19.6238, 21.0168, 27.0682



5.1728, 5.6886, 6.4311



12.5381, 18.3478, 24.9222



0.0833, 0.1219, 0.1656

Inverse Universe

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



20.0542, 19.4108, 19.5202



34.0284, 32.2832, 31.7842



21.3017, 21.9059, 19.9355



5.0329, 5.0486, 5.2617



9.6099, 4.9541, 0.4501



0.0638, 0.0329, 0.0030

Previews

White Background



This preview shows how the XYZ color 21.0120, 23.7938, 27.5300 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 21.0120, 23.7938, 27.5300 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

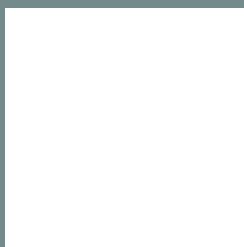
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 21.0120, 23.7938, 27.5300

Background



This preview shows how black text looks on a background with the XYZ color 21.0120, 23.7938, 27.5300.



This preview shows how white text looks on a background with the XYZ color 21.0120, 23.7938,

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

21.0120, 23.7938, 27.5300

Protanopia

22.9140, 23.7586, 26.2998

Deuteranopia

24.2179, 23.7880, 28.1261



Tritanopia

21.8199, 23.9198, 31.0707

Trichromacy



Original Color

21.0120, 23.7938, 27.5300

Protanomaly

22.1612, 23.7726, 26.7131

Deuteranomaly

22.8792, 23.7075, 27.7962

Tritanomaly

21.4509, 23.7565, 29.8404

Monochromacy



Original Color

21.0120, 23.7938, 27.5300

Achromatopsia

21.9318, 23.0740, 25.1276

Achromatomaly

21.5806, 23.2835, 25.9110

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.0120, 23.7938, 27.5300 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(117, 138, 138)` looks like.

```
.text, #text, p{  
    color:rgb(117, 138, 138)  
}
```

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(117, 138, 138) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(117, 138, 138) }
```

Border

The CSS property to change the border of an element to XYZ 21.0120, 23.7938, 27.5300 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(117, 138, 138) }
```


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

```
.border{ border-color:rgb(117, 138, 138) }
```

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

Here you see how a box with a 4 pixel `rgb(117, 138, 138)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(117, 138, 138); -webkit-box-  
shadow:4px 4px 4px 4px rgb(117, 138, 138);  
box-shadow:4px 4px 4px 4px rgb(117, 138,  
138) }
```

Background

The CSS property to change the background color of an element to XYZ 21.0120, 23.7938, 27.5300 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(117, 138, 138) }
```

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

```
.background{ background-color: rgb(117,  
138, 138) }
```

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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