

Converting Colors

XYZ(19.8088, 23.6355, 28.1110)

Have a look what the booklet for
XYZ(19.8088, 23.6355, 28.1110)
contains.

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Color

**XYZ(19.7472, 23.5633,
27.9335)**

Conversions

Conversions Part 1

Format	Color
Hex	688C8B
RGB	104, 140, 139
RGB Percent	41%, 55%, 55%
CMY	0.5922, 0.4510, 0.4549
CMYK	0.26, 0.00, 0.01, 0.45
HSL	178°, 15%, 48%
HSV	178°, 26%, 55%
XYZ	19.7472, 23.5633, 27.9335
YIQ	129.1220, -21.1350, -7.9430

Conversions

Conversions Part 2

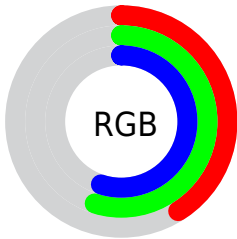
Format	Color
R_{YB}	104, 122, 140
Decimal	6851723
CIE _{Lab}	55.65, -12.69, -3.55
CIE _{LCh}	56, 13.178, 195.635
Yxy	23.5633, 0.2772, 0.3307
Android (android.graphics.Color)	4285041803 (0xFF688C8B)
YUV	129.1220, 4.8699, -22.0320
Hunter-Lab	48.5420, -12.3337, -0.1390

Details

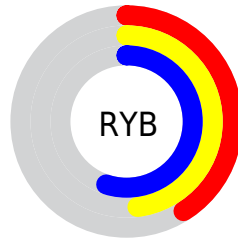
The XYZ color **19.7472, 23.5633, 27.9335** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **18.3162, 16.4966, 15.5843**, and the grayscale version is **20.8983, 21.9866, 23.9434**.

A 20% lighter version of the original color is **42.5165, 49.4573, 57.1745**, and **7.0349, 8.8458, 10.7878** is the 20% darker color. If you saturate the color by 10%, you get **18.2269, 22.7835, 27.7145**, and if you desaturate by 10%, it is **21.5388, 24.4842, 28.1667**.

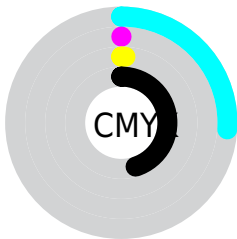
Distribution



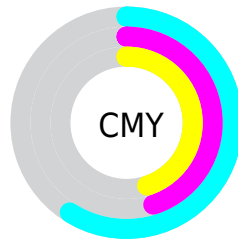
- Red (41%)
- Green (55%)
- Blue (55%)



- Red (41%)
- Yellow (48%)
- Blue (55%)



- Cyan (26%)
- Magenta (0%)
- Yellow (1%)
- Black (45%)



- Cyan (59%)
- Magenta (45%)
- Yellow (45%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.7472, 23.5633, 27.9335 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 19.7472, 23.5633, 27.9335 by changing the saturation by 10% instead.

■ 19.7472, 23.5633,
27.9335

■ 19.7472, 23.5633,
27.9335

243.4030,
270.6052, 306.0509

■ 12.3186, 15.0100,
18.0369

■ 42.5001, 49.3166,
57.4001

■ 7.0348, 8.8264,
10.8068

■ 58.5552, 67.2854,
77.8072

■ 3.5304, 4.6281,
5.8245

■ 78.2164, 89.1615,
102.5548

■ 1.4401, 2.0308,
2.6716

■ 101.8492,
115.3293, 132.0616

■ 0.2845, 0.6253,
0.9291

129.8189,
146.1732, 166.7461

■ 0.0000, 0.0000,
0.0000

162.4909,

182.0775, 207.0268

200.2304,
223.4267, 253.3222

■ 19.7472, 23.5633,
27.9335

■ 19.7472, 23.5633,
27.9335

■ 18.2269, 22.7835,
27.7145

■ 21.5388, 24.4842,
28.1667

■ 16.9626, 22.1349,
27.5075

■ 23.6120, 25.5497,
28.4131

■ 15.9405, 21.6113,
27.3124

■ 25.9792, 26.7667,
28.6739

■ 15.1446, 21.2043,
27.1284

■ 28.6512, 28.1409,
28.9494

■ 14.5574, 20.9047,
26.9547

■ 31.6387, 29.6776,
29.2402

■ 14.1582, 20.7022,
26.7903

■ 34.9513, 31.3820,
29.5467

■ 13.9170, 20.5811,
26.6339

■ 38.5987, 33.2589,
29.8695

■ 13.8301, 20.5376,
26.5677

■ 42.5899, 35.3130,
30.2089

■ 46.9336, 37.5489,
30.5653

Harmonies

Analogous

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



19.7321, 23.5633, 23.6727



19.7472, 23.5633, 27.9335



20.4507, 23.5633, 31.9854

Triad

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



19.7472, 23.5633, 27.9335



24.5090, 23.5633, 31.8366



23.1151, 23.5633, 18.4960

Complementary

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



19.7472, 23.5633, 27.9335



18.3162, 16.4966, 15.5843

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.



24.4613, 23.5633, 20.2228



19.7472, 23.5633, 27.9335



25.2899, 23.5633, 27.7480

Square

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



19.7472, 23.5633, 27.9335



23.1778, 23.5633, 34.4036



25.2721, 23.5633, 23.5066



21.6324, 23.5633, 18.5339

Rectangle

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



19.7472, 23.5633, 27.9335



21.2341, 23.5633, 33.8863



25.2721, 23.5633, 23.5066



23.5999, 23.5633, 18.8802

Sweetspot

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



19.7479, 23.5643, 27.9340



40.6832, 44.5581, 49.9827



17.7267, 22.7720, 16.5583



9.2556, 10.2062, 11.5033



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.



19.7479, 23.5643, 27.9340



33.1666, 40.6968, 49.0144



17.5510, 19.0528, 27.5646



5.1669, 5.6863, 6.4000



12.2894, 18.2483, 23.6122



0.0825, 0.1216, 0.1615

Inverse Universe

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



18.3162, 16.4966, 15.5843



30.1892, 25.9969, 23.3303



20.1278, 20.2019, 15.9357



5.0381, 5.0507, 5.2893



9.6300, 4.9621, 0.5562



0.0646, 0.0332, 0.0071

Previews

White Background



This preview shows how the XYZ color 19.7472, 23.5633, 27.9335 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 19.7472, 23.5633, 27.9335 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

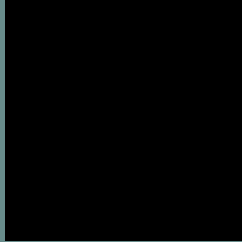
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 19.7472, 23.5633, 27.9335

Background



This preview shows how black text looks on a background with the XYZ color 19.7472, 23.5633, 27.9335.



This preview shows how white text looks on a background with the XYZ color 19.7472, 23.5633,

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

19.7472, 23.5633, 27.9335

Protanopia

22.5460, 23.3747, 25.8777

Deuteranopia

23.8133, 23.3744, 28.4559



Tritanopia

20.4572, 23.4111, 31.8743

Trichromacy



Original Color

19.7472, 23.5633, 27.9335

Protanomaly

21.4201, 23.3906, 26.6784

Deuteranomaly

22.0232, 23.2577, 28.1394

Tritanomaly

20.1692, 23.5128, 30.2635

Monochromacy



Original Color

19.7472, 23.5633, 27.9335

Achromatopsia

20.8660, 21.9526, 23.9064

Achromatomaly

20.3669, 22.4616, 25.4524

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.7472, 23.5633, 27.9335 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(104, 140, 139)` looks like.

```
.text, #text, p{  
    color:rgb(104, 140, 139)  
}
```

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(104, 140, 139) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(104, 140, 139) }
```

Border

The CSS property to change the border of an element to XYZ 19.7472, 23.5633, 27.9335 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(104, 140, 139) }
```


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

```
.border{ border-color:rgb(104, 140, 139) }
```

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

Here you see how a box with a 4 pixel `rgb(104, 140, 139)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(104, 140, 139); -webkit-box-  
shadow:4px 4px 4px 4px rgb(104, 140, 139);  
box-shadow:4px 4px 4px 4px rgb(104, 140,  
139) }
```

Background

The CSS property to change the background color of an element to XYZ 19.7472, 23.5633, 27.9335 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(104, 140, 139) }
```

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

```
.background{ background-color: rgb(104,  
140, 139) }
```

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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