

Converting Colors

XYZ(21.4242, 20.8301, 27.7991)

Have a look what the booklet for
XYZ(21.4242, 20.8301, 27.7991)
contains.

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Color

**XYZ(21.3660, 20.7991,
27.6995)**

Conversions

Conversions Part 1

Format	Color
Hex	857A8C
RGB	133, 122, 140
RGB Percent	52%, 48%, 55%
CMY	0.4784, 0.5216, 0.4510
CMYK	0.05, 0.13, 0.00, 0.45
HSL	277°, 7%, 51%
HSV	277°, 13%, 55%
XYZ	21.3660, 20.7991, 27.6995
YIQ	127.3410, 0.7780, 7.9300

Conversions

Conversions Part 2

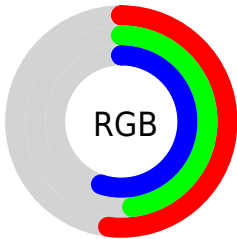
Format	Color
R_{YB}	133, 122, 140
Decimal	8747660
CIE Lab	52.73, 7.77, -8.23
CIE LCh	53, 11.319, 313.366
Yxy	20.7991, 0.3058, 0.2977
Android (android.graphics.Color)	4286937740 (0xFF857A8C)
YUV	127.3410, 6.2409, 4.9629
Hunter-Lab	45.6060, 3.8150, -4.0864

Details

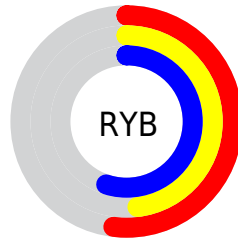
The XYZ color **21.3660, 20.7991, 27.6995** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **21.9451, 24.8291, 22.0493**, and the grayscale version is **20.2696, 21.3252, 23.2231**.

A 20% lighter version of the original color is **45.1234, 44.6062, 57.2705**, and **7.7953, 7.3423, 10.6792** is the 20% darker color. If you saturate the color by 10%, you get **18.9319, 17.1741, 27.1284**, and if you desaturate by 10%, it is **24.0935, 24.9442, 28.3561**.

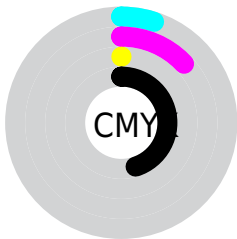
Distribution



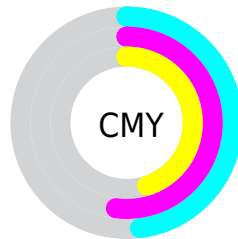
- Red (52%)
- Green (48%)
- Blue (55%)



- Red (52%)
- Yellow (48%)
- Blue (55%)



- Cyan (5%)
- Magenta (13%)
- Yellow (0%)
- Black (45%)



- Cyan (48%)
- Magenta (52%)
- Yellow (45%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.3660, 20.7991, 27.6995 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 21.3660, 20.7991, 27.6995 by changing the saturation by 10% instead.

■ 21.3660, 20.7991,
27.6995

■ 21.3660, 20.7991,
27.6995

251.9123,
256.2089, 304.8948

■ 13.5058, 12.9772,
17.8622

■ 45.1826, 44.7529,
57.0216

■ 7.8571, 7.4129,
10.6827

■ 61.8696, 61.6537,
77.3435

■ 4.0547, 3.7216,
5.7424

■ 82.2297, 82.3495,
101.9974

■ 1.7331, 1.5191,
2.6228

106.6281,
107.2249, 131.4017

■ 0.4769, 0.3021,
0.9042

135.4302,
136.6641, 165.9751

■ 0.0000, 0.0000,
0.0000

169.0014,

171.0516, 206.1361

207.7069,
210.7717, 252.3031

■ 21.3660, 20.7991,
27.6995

■ 21.3660, 20.7991,
27.6995

■ 18.9319, 17.1741,
27.1284

■ 24.0935, 24.9442,
28.3561

■ 16.7783, 14.0451,
26.6380

■ 27.1233, 29.6269,
29.1003

■ 14.8937, 11.3900,
26.2248

■ 30.4658, 34.8670,
29.9356

■ 13.2652, 9.1840,
25.8848

■ 34.1307, 40.6828,
30.8650

■ 11.8788, 7.4000,
25.6136

■ 38.1270, 47.0916,
31.8914

10.7188, 6.0080,
25.4060

42.4634, 54.1097,
33.0175

9.7675, 4.9735,
25.2565

47.1484, 61.7533,
34.2459

9.0042, 4.2562,
25.1582

52.1900, 70.0375,
35.5792

8.5298, 3.8505,
25.1049

57.5961, 78.9772,
37.0198

Harmonies

Analogous

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



20.2974, 20.7991, 29.5652



21.3660, 20.7991, 27.6995



22.0205, 20.7991, 24.5555

Triad

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



21.3660, 20.7991, 27.6995



20.4247, 20.7991, 16.9805



17.6453, 20.7991, 24.1802

Complementary

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



21.3660, 20.7991, 27.6995



21.9451, 24.8291, 22.0493

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.



17.6763, 20.7991, 20.8394



21.3660, 20.7991, 27.6995



19.2497, 20.7991, 16.9016

Square

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



21.3660, 20.7991, 27.6995



21.4624, 20.7991, 18.4766



18.2535, 20.7991, 18.2490



18.1670, 20.7991, 27.4013

Rectangle

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



21.3660, 20.7991, 27.6995



22.1183, 20.7991, 22.2678



18.2535, 20.7991, 18.2490



17.5921, 20.7991, 23.0299

Sweetspot

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



21.3666, 20.8000, 27.7000



41.8583, 43.0288, 49.8422



20.6372, 21.7852, 27.9286



9.5661, 9.7941, 11.4657



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.



21.3666, 20.8000, 27.7000



36.5665, 35.0144, 48.5742



22.3774, 21.3363, 27.0601



5.0486, 5.0335, 6.3113



7.6015, 3.4328, 22.3076



0.0669, 0.0313, 0.1490

Inverse Universe

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



21.7380, 21.0805, 23.6934



37.3477, 35.6024, 40.2416



21.0304, 24.3445, 22.5941



5.1082, 5.0787, 5.6580



10.2201, 5.1982, 3.6636



0.0747, 0.0373, 0.0602

Previews

White Background



This preview shows how the XYZ color 21.3660, 20.7991, 27.6995 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 21.3660, 20.7991, 27.6995 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 21.3660, 20.7991, 27.6995

Background



This preview shows how black text looks on a background with the XYZ color 21.3660, 20.7991, 27.6995.



This preview shows how white text looks on a background with the XYZ color 21.3660, 20.7991,

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

21.3660, 20.7991, 27.6995

Protanopia

20.3845, 20.8312, 28.5376

Deuteranopia

21.2089, 20.7181, 27.6921



Tritanopia

20.8323, 20.7649, 25.1003

Trichromacy



Original Color

21.3660, 20.7991, 27.6995

Protanomaly

20.7678, 20.8504, 28.1293

Deuteranomaly

21.2089, 20.7181, 27.6921

Tritanomaly

21.0426, 20.8490, 26.2078

Monochromacy



Original Color

21.3660, 20.7991, 27.6995

Achromatopsia

20.1725, 21.2231, 23.1119

Achromatomaly

20.5517, 21.0003, 24.8001

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.3660, 20.7991, 27.6995 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(133, 122, 140)` looks like.

```
.text, #text, p{  
    color:rgb(133, 122, 140)  
}
```

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(133, 122, 140) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 122, 140) }
```

Border

The CSS property to change the border of an element to XYZ 21.3660, 20.7991, 27.6995 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(133, 122, 140) }
```


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

```
.border{ border-color:rgb(133, 122, 140) }
```

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

Here you see how a box with a 4 pixel `rgb(133, 122, 140)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(133, 122, 140); -webkit-box-  
shadow:4px 4px 4px 4px rgb(133, 122, 140);  
box-shadow:4px 4px 4px 4px rgb(133, 122,  
140) }
```

Background

The CSS property to change the background color of an element to XYZ 21.3660, 20.7991, 27.6995 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(133, 122, 140) }
```

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

```
.background{ background-color: rgb(133,  
122, 140) }
```

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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