

Converting Colors

XYZ(21.2728, 26.3320, 37.8332)

Have a look what the booklet for
XYZ(21.2728, 26.3320, 37.8332)
contains.

XYZ(21.2698, 26.4121, 37.6952)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(21.2698, 26.4121,
37.6952)**

Conversions

Conversions Part 1

Format	Color
Hex	5796A1
RGB	87, 150, 161
RGB Percent	34%, 59%, 63%
CMY	0.6588, 0.4118, 0.3686
CMYK	0.46, 0.07, 0.00, 0.37
HSL	189°, 30%, 49%
HSV	189°, 46%, 63%
XYZ	21.2698, 26.4121, 37.6952
YIQ	132.4170, -41.0790, -9.9350

Conversions

Conversions Part 2

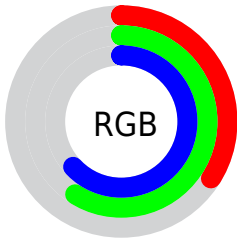
Format	Color
R_{YB}	87, 121, 161
Decimal	5740193
CIE _{Lab}	58.43, -17.24, -12.11
CIE _{LCh}	58, 21.072, 215.089
Yxy	26.4121, 0.2491, 0.3094
Android (android.graphics.Color)	4283930273 (0xFF5796A1)
YUV	132.4170, 14.0914, -39.8307
Hunter-Lab	51.3927, -16.0618, -7.5128

Details

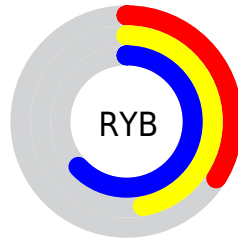
The XYZ color **21.2698, 26.4121, 37.6952** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **20.7864, 17.0010, 11.2034**, and the grayscale version is **22.0446, 23.1927, 25.2568**.

A 20% lighter version of the original color is **44.9720, 53.8063, 72.9811**, and **7.7872, 10.3191, 16.0494** is the 20% darker color. If you saturate the color by 10%, you get **19.5533, 24.9667, 37.5071**, and if you desaturate by 10%, it is **23.3310, 28.0480, 37.9028**.

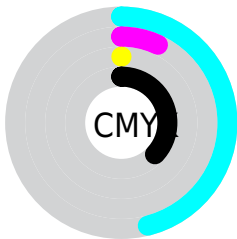
Distribution



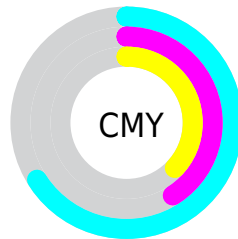
- Red (34%)
- Green (59%)
- Blue (63%)



- Red (34%)
- Yellow (47%)
- Blue (63%)



- Cyan (46%)
- Magenta (7%)
- Yellow (0%)
- Black (37%)



- Cyan (66%)
- Magenta (41%)
- Yellow (37%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.2698, 26.4121, 37.6952 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 21.2698, 26.4121, 37.6952 by changing the saturation by 10% instead.

■ 21.2698, 26.4121,
37.6952

■ 21.2698, 26.4121,
37.6952

251.4135,
284.7992, 351.5695

■ 13.4349, 17.1322,
25.4462

■ 45.0240, 53.9390,
72.8390

■ 7.8078, 10.3288,
16.1878

■ 61.6741, 72.9548,
96.5708

■ 4.0230, 5.6175,
9.5013

■ 81.9933, 95.9847,
124.9673

■ 1.7151, 2.6139,
4.9683

■ 106.3470,
123.4131, 158.4471

■ 0.4657, 0.9337,
2.1703

135.1005,
155.6243, 197.4287

■ 0.0000, 0.0000,
0.6571

168.6192,

■ 0.0000, 0.0000,

193.0028, 242.3306

0.0000

207.2684,
235.9330, 293.5714

■ 21.2698, 26.4121,
37.6952

■ 21.2698, 26.4121,
37.6952

■ 19.5533, 24.9667,
37.5071

■ 23.3310, 28.0480,
37.9028

■ 18.1564, 23.6970,
37.3357

■ 25.7549, 29.8819,
38.1290

■ 17.0546, 22.5908,
37.1802

■ 28.5613, 31.9247,
38.3754

■ 16.2186, 21.6330,
37.0394

■ 31.7677, 34.1855,
38.6428

■ 15.6084, 20.8030,
36.9114

■ 35.3906, 36.6729,
38.9319

■ 15.3889, 20.4848,
36.8615

■ 39.4455, 39.3948,
39.2436

■ 43.9470, 42.3590,
39.5785

■ 48.9093, 45.5727,
39.9373

■ 54.3456, 49.0430,
40.3206

Harmonies

Analogous

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



20.4920, 26.4121, 30.0333



21.2698, 26.4121, 37.6952



23.0774, 26.4121, 43.6161

Triad

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



21.2698, 26.4121, 37.6952



29.8630, 26.4121, 35.1480



24.6677, 26.4121, 16.8292

Complementary

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



21.2698, 26.4121, 37.6952



20.7864, 17.0010, 11.2034

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.



27.2457, 26.4121, 17.7278



21.2698, 26.4121, 37.6952



30.3606, 26.4121, 27.5199

Square

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



21.2698, 26.4121, 37.6952



28.0563, 26.4121, 41.9782



29.3731, 26.4121, 21.3589



22.3663, 26.4121, 18.6537

Rectangle

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



21.2698, 26.4121, 37.6952



24.6828, 26.4121, 45.3088



29.3731, 26.4121, 21.3589



25.5298, 26.4121, 16.8265

Sweetspot

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



21.2706, 26.4131, 37.6958



52.0742, 57.8335, 68.8049



18.8274, 28.3771, 15.7624



11.1787, 12.5109, 15.0693



76.7382, 80.7346, 87.9200



13.3056, 13.9985, 15.2444

Same Dimension

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



21.2706, 26.4131, 37.6958



34.9979, 44.6953, 67.1690



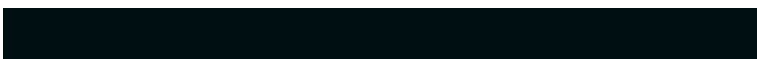
16.3965, 16.6648, 36.0711



7.1860, 7.8310, 9.0359



12.3138, 16.4070, 29.4476



0.2816, 0.3904, 0.6264

Inverse Universe

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



23.6118, 16.5961, 30.8141



39.8491, 25.3983, 52.6751



24.9255, 25.2792, 12.5831



7.3189, 7.1840, 8.6655



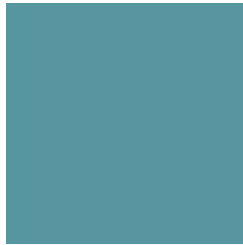
15.3609, 7.5004, 19.6229



0.3343, 0.1622, 0.4730

Previews

White Background



This preview shows how the XYZ color 21.2698, 26.4121, 37.6952 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 21.2698, 26.4121, 37.6952 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

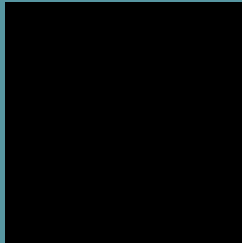
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 21.2698, 26.4121, 37.6952

Background



This preview shows how black text looks on a background with the XYZ color 21.2698, 26.4121, 37.6952.

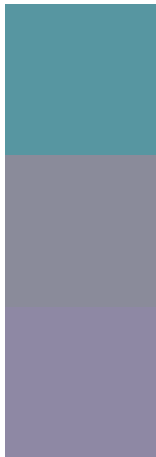


This preview shows how white text looks on a background with the XYZ color 21.2698, 26.4121,

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

21.2698, 26.4121, 37.6952

Protanopia

25.5466, 26.2016, 34.2828

Deuteranopia

26.6603, 26.0394, 38.7429



Tritanopia

21.3584, 26.4476, 38.1616

Trichromacy



Original Color

21.2698, 26.4121, 37.6952

Protanomaly

23.5160, 26.0012, 35.6776

Deuteranomaly

24.1618, 25.8317, 38.3629

Tritanomaly

21.3584, 26.4476, 38.1616

Monochromacy



Original Color

21.2698, 26.4121, 37.6952

Achromatopsia

21.9318, 23.0740, 25.1276

Achromatomaly

21.3930, 24.1614, 29.5227

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.2698, 26.4121, 37.6952 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(87, 150, 161)` looks like.

```
.text, #text, p{  
    color:rgb(87, 150, 161)  
}
```

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(87, 150, 161) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(87, 150, 161) }
```

Border

The CSS property to change the border of an element to XYZ 21.2698, 26.4121, 37.6952 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(87, 150, 161) }
```


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

```
.border{ border-color:rgb(87, 150, 161) }
```

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

Here you see how a box with a 4 pixel `rgb(87, 150, 161)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(87, 150, 161); -webkit-box-  
shadow:4px 4px 4px 4px rgb(87, 150, 161);  
box-shadow:4px 4px 4px 4px rgb(87, 150,  
161) }
```

Background

The CSS property to change the background color of an element to XYZ 21.2698, 26.4121, 37.6952 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(87, 150, 161) }
```

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

```
.background{ background-color: rgb(87, 150,  
161) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor