

Converting Colors

XYZ(21.7990, 25.5397, 41.7449)

Have a look what the booklet for
XYZ(21.7990, 25.5397, 41.7449)
contains.

XYZ(21.6955, 25.3772, 41.7850)	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(21.6955, 25.3772,
41.7850)**

Conversions

Conversions Part 1

Format	Color
Hex	5B91AA
RGB	91, 145, 170
RGB Percent	36%, 57%, 67%
CMY	0.6431, 0.4314, 0.3333
CMYK	0.46, 0.15, 0.00, 0.33
HSL	199°, 32%, 51%
HSV	199°, 46%, 67%
XYZ	21.6955, 25.3772, 41.7850
YIQ	131.7040, -40.2090, -3.6730

Conversions

Conversions Part 2

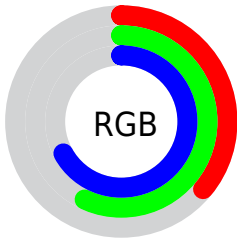
Format	Color
R_{YB}	91, 123, 170
Decimal	6001066
CIE _{Lab}	57.44, -10.98, -18.72
CIE _{LCh}	57, 21.702, 239.593
Yxy	25.3772, 0.2442, 0.2856
Android (android.graphics.Color)	4284191146 (0xFF5B91AA)
YUV	131.7040, 18.8799, -35.6974
Hunter-Lab	50.3758, -11.2825, -13.9160

Details

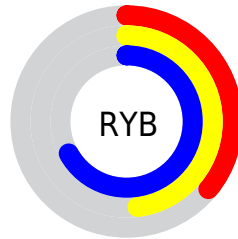
The XYZ color **21.6955, 25.3772, 41.7850** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **24.7119, 21.7929, 12.8024**, and the grayscale version is **21.7709, 22.9047, 24.9432**.

A 20% lighter version of the original color is **45.6911, 52.3028, 78.9214**, and **8.0898, 9.8675, 18.6178** is the 20% darker color. If you saturate the color by 10%, you get **19.4032, 23.0044, 41.4483**, and if you desaturate by 10%, it is **24.4080, 28.0255, 42.1537**.

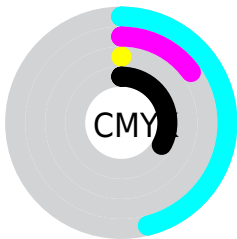
Distribution



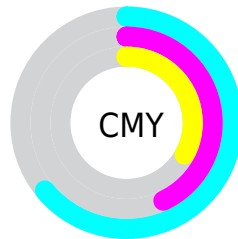
- Red (36%)
- Green (57%)
- Blue (67%)



- Red (36%)
- Yellow (48%)
- Blue (67%)



- Cyan (46%)
- Magenta (15%)
- Yellow (0%)
- Black (33%)



- Cyan (64%)
- Magenta (43%)
- Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.6955, 25.3772, 41.7850 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 21.6955, 25.3772, 41.7850 by changing the saturation by 10% instead.

■ 21.6955, 25.3772,
41.7850

■ 21.6955, 25.3772,
41.7850

253.6143,
279.7112, 369.3642

■ 13.7487, 16.3583,
28.6087

■ 45.7248, 52.2685,
79.1407

■ 8.0266, 9.7781,
18.5420

■ 62.5380, 70.9097,
104.1571

■ 4.1639, 5.2520,
11.1663

■ 83.0374, 93.5271,
133.9574

■ 1.7953, 2.3959,
6.0632

■ 107.5883,
120.5051, 168.9599

■ 0.5148, 0.8238,
2.8142

136.5561,
152.2281, 209.5834

■ 0.0000, 0.0000,
1.0005

170.3061,

■ 0.0000, 0.0000,

189.0806, 256.2462

0.0000

209.2037,
231.4468, 309.3670

■ 21.6955, 25.3772,
41.7850

■ 21.6955, 25.3772,
41.7850

■ 19.4032, 23.0044,
41.4483

■ 24.4080, 28.0255,
42.1537

■ 17.5021, 20.8897,
41.1403

■ 27.5623, 30.9596,
42.5538

■ 15.9633, 19.0180,
40.8601

■ 31.1814, 34.1926,
42.9870

■ 14.7523, 17.3707,
40.6060

■ 35.2858, 37.7359,
43.4546

■ 13.8216, 15.9224,
40.3755

■ 39.8949, 41.6002,
43.9576

■ 13.5247, 15.4402,
40.2981

■ 45.0268, 45.7955,
44.4969

■ 50.6989, 50.3315,
45.0735

■ 56.9275, 55.2174,
45.6883

■ 63.7285, 60.4619,
46.3421

Harmonies

Analogous

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



20.0586, 25.3772, 35.2580



21.6955, 25.3772, 41.7850



24.0850, 25.3772, 44.4124

Triad

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



21.6955, 25.3772, 41.7850



29.4288, 25.3772, 27.7326



21.7525, 25.3772, 17.0271

Complementary

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



21.6955, 25.3772, 41.7850



24.7119, 21.7929, 12.8024

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.



24.1556, 25.3772, 15.7203



21.6955, 25.3772, 41.7850



28.6962, 25.3772, 21.1925

Square

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



21.6955, 25.3772, 41.7850



28.6566, 25.3772, 35.4643



26.7193, 25.3772, 17.1003



20.0898, 25.3772, 21.0462

Rectangle

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



21.6955, 25.3772, 41.7850



25.8223, 25.3772, 43.2937



26.7193, 25.3772, 17.1003



22.4947, 25.3772, 16.2916

Sweetspot

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



21.6963, 25.3782, 41.7856



58.1469, 63.4128, 78.1771



21.7671, 32.2051, 21.1992



12.6337, 13.8500, 17.3951



82.5889, 86.8899, 94.6231



15.4596, 16.2647, 17.7123

Same Dimension

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



21.6963, 25.3782, 41.7856



34.9980, 41.5168, 75.1708



16.8078, 15.6011, 40.1561



7.5444, 8.1256, 9.5891



10.0005, 11.4612, 29.6606



0.2862, 0.3645, 0.7359

Inverse Universe

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



25.4302, 18.0734, 28.9372



42.9089, 27.5688, 47.6064



30.0551, 32.4793, 14.5835



7.7394, 7.6256, 8.9447



14.5484, 7.2281, 12.9652



0.3756, 0.1845, 0.4293

Previews

White Background



This preview shows how the XYZ color 21.6955, 25.3772, 41.7850 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 21.6955, 25.3772, 41.7850 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

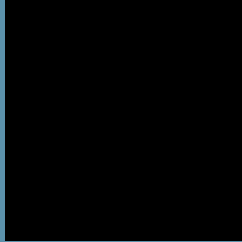
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 21.6955, 25.3772, 41.7850

Background



This preview shows how black text looks on a background with the XYZ color 21.6955, 25.3772, 41.7850.



This preview shows how white text looks on a background with the XYZ color 21.6955, 25.3772,

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

21.6955, 25.3772, 41.7850

Protanopia

25.0207, 25.1942, 38.6662

Deuteranopia

25.7832, 25.2930, 42.5528



Tritanopia

20.7162, 25.4453, 36.6205

Trichromacy



Original Color

21.6955, 25.3772, 41.7850

Protanomaly

23.4517, 25.0003, 39.6659

Deuteranomaly

24.0545, 25.2571, 42.1354

Tritanomaly

21.0096, 25.3260, 38.4314

Monochromacy



Original Color

21.6955, 25.3772, 41.7850

Achromatopsia

21.9318, 23.0740, 25.1276

Achromatomaly

21.4701, 23.7486, 30.6465

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.6955, 25.3772, 41.7850 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(91, 145, 170)` looks like.

```
.text, #text, p{  
    color:rgb(91, 145, 170)  
}
```

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(91, 145, 170) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(91, 145, 170) }
```

Border

The CSS property to change the border of an element to XYZ 21.6955, 25.3772, 41.7850 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(91, 145, 170) }
```


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

```
.border{ border-color:rgb(91, 145, 170) }
```

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

Here you see how a box with a 4 pixel `rgb(91, 145, 170)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(91, 145, 170); -webkit-box-  
shadow:4px 4px 4px 4px rgb(91, 145, 170);  
box-shadow:4px 4px 4px 4px rgb(91, 145,  
170) }
```

Background

The CSS property to change the background color of an element to XYZ 21.6955, 25.3772, 41.7850 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(91, 145, 170) }
```

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

```
.background{ background-color: rgb(91, 145,  
170) }
```

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