

Converting Colors

XYZ(21.7553, 21.6645, 57.6786)

Have a look what the booklet for
XYZ(21.7553, 21.6645, 57.6786)
contains.

XYZ(21.7553, 21.6645, 57.6786)	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(21.7553, 21.6645,
57.6786)**

Conversions

Conversions Part 1

Format	Color
Hex	5281C8
RGB	82, 129, 200
RGB Percent	32%, 51%, 78%
CMY	0.6784, 0.4941, 0.2157
CMYK	0.59, 0.35, 0.00, 0.22
HSL	216°, 52%, 55%
HSV	216°, 59%, 78%
XYZ	21.7553, 21.6645, 57.6786
YIQ	123.0410, -50.8030, 12.1170

Conversions

Conversions Part 2

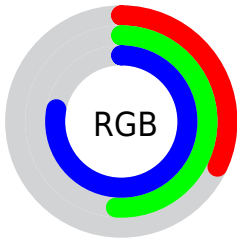
Format	Color
R _Y B	82, 116, 200
Decimal	5407176
CIE Lab	53.67, 5.55, -41.71
CIE LCh	54, 42.075, 277.586
Yxy	21.6645, 0.2152, 0.2143
Android (android.graphics.Color)	4283597256 (0xFF5281C8)
YUV	123.0410, 37.9408, -35.9930
Hunter-Lab	46.5451, 1.9773, -40.8904

Details

The XYZ color **21.7553, 21.6645, 57.6786** is a dark color, and the websafe version is hex **6699CC**. The color can be described as middle muted azure. A complement of this color would be **36.7350, 35.6731, 12.9334**, and the grayscale version is **18.7320, 19.7075, 21.4615**.

A 20% lighter version of the original color is **45.5932, 46.2513, 101.1321**, and **8.0695, 7.8191, 28.2781** is the 20% darker color. If you saturate the color by 10%, you get **18.7699, 17.9095, 57.1116**, and if you desaturate by 10%, it is **25.4358, 26.0557, 58.3326**.

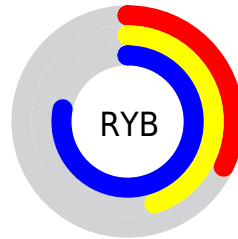
Distribution



Red (32%)

Green (51%)

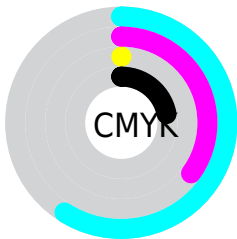
Blue (78%)



Red (32%)

Yellow (45%)

Blue (78%)

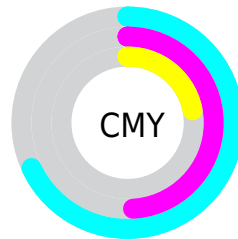


Cyan (59%)

Magenta (35%)

Yellow (0%)

Black (22%)



Cyan (68%)

Magenta (49%)

Yellow (22%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.7553, 21.6645, 57.6786 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 21.7553, 21.6645, 57.6786 by changing the saturation by 10% instead.

■ 21.7553, 21.6645,
57.6786

■ 21.7553, 21.6645,
57.6786

253.9222,
260.7892, 433.5520

■ 13.7928, 13.6106,
41.1373

■ 45.8231, 46.1909,
102.9648

■ 8.0574, 7.8503,
28.1059

■ 62.6591, 63.4321,
132.5469

■ 4.1838, 3.9993,
18.1658

■ 83.1837, 84.5046,
167.3129

■ 1.8067, 1.6732,
10.8984

■ 107.7621,
109.7927, 207.6815

■ 0.5217, 0.4062,
5.8852

136.7599,
139.6808, 254.0711

■ 0.0000, 0.0000,
2.7078

170.5422,

■ 0.0000, 0.0000,

174.5533, 306.9004

0.9473

209.4745,
214.7946, 366.5879

■ 0.0000, 0.0000,
0.0000

■ 21.7553, 21.6645,
57.6786

■ 21.7553, 21.6645,
57.6786

■ 18.7699, 17.9095,
57.1116

■ 25.4358, 26.0557,
58.3326

■ 16.4253, 14.7520,
56.6257

■ 29.8552, 31.1137,
59.0760

■ 14.6619, 12.1517,
56.2168

■ 35.0559, 36.8696,
59.9129

■ 13.3829, 10.0478,
55.8781

■ 41.0767, 43.3515,
60.8467

■ 13.2690, 9.8574,
55.8473

■ 47.9534, 50.5860,
61.8807

■ 55.7196, 58.5980,
63.0178

■ 64.4070, 67.4114,
64.2611

■ 74.0459, 77.0488,
65.6133

■ 82.0397, 86.1788,
66.9542

Harmonies

Analogous

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



17.4644, 21.6645, 54.7253



21.7553, 21.6645, 57.6786



26.3347, 21.6645, 49.1887

Triad

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



21.7553, 21.6645, 57.6786



28.2399, 21.6645, 11.4698



13.5818, 21.6645, 15.3435

Complementary

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



21.7553, 21.6645, 57.6786



36.7350, 35.6731, 12.9334

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.



15.7505, 21.6645, 8.8939



21.7553, 21.6645, 57.6786



24.0711, 21.6645, 7.2931

Square

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



21.7553, 21.6645, 57.6786



30.4176, 21.6645, 20.4657



19.4699, 21.6645, 6.5619



13.1484, 21.6645, 27.0149

Rectangle

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



21.7553, 21.6645, 57.6786



28.7965, 21.6645, 39.5271



19.4699, 21.6645, 6.5619



14.1149, 21.6645, 12.6404

Sweetspot

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



21.7561, 21.6652, 57.6791



71.9463, 75.9368, 105.4730



29.8682, 45.3964, 37.2399



14.7016, 15.5100, 22.4688



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



21.7561, 21.6652, 57.6791



31.1582, 29.2499, 98.6113



18.0394, 12.5752, 56.1205



10.3975, 10.9691, 13.4867



8.5191, 6.4321, 35.5369



0.4739, 0.4455, 1.7062

Inverse Universe

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



30.7999, 19.9001, 22.9872



48.8784, 28.2280, 30.0906



42.9663, 52.6351, 15.8790



10.8059, 10.7058, 11.9613



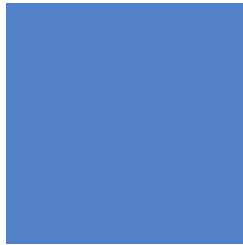
16.0994, 8.1893, 5.7332



0.7979, 0.4020, 0.4588

Previews

White Background



This preview shows how the XYZ color 21.7553, 21.6645, 57.6786 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 21.7553, 21.6645, 57.6786 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

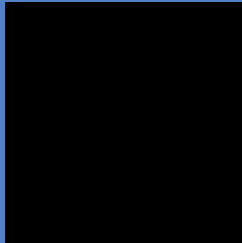
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 21.7553, 21.6645, 57.6786

Background



This preview shows how black text looks on a background with the XYZ color 21.7553, 21.6645, 57.6786.

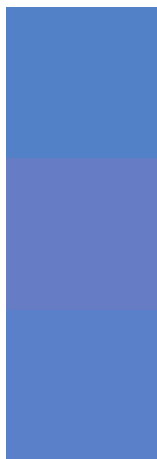


This preview shows how white text looks on a background with the XYZ color 21.7553, 21.6645,

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

21.7553, 21.6645, 57.6786

Protanopia

22.8911, 21.5232, 55.7712

Deuteranopia

22.2643, 21.7323, 57.6649



Tritanopia

16.6621, 21.6593, 32.1566

Trichromacy



Original Color

21.7553, 21.6645, 57.6786

Protanomaly

22.3732, 21.4318, 56.3836

Deuteranomaly

21.9823, 21.5869, 57.6517

Tritanomaly

18.1861, 21.4203, 40.2218

Monochromacy



Original Color

21.7553, 21.6645, 57.6786

Achromatopsia

18.8265, 19.8069, 21.5697

Achromatomaly

19.1039, 20.0897, 32.1490

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.7553, 21.6645, 57.6786 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(82, 129, 200)` looks like.

```
.text, #text, p{  
    color:rgb(82, 129, 200)  
}
```

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(82, 129, 200) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(82, 129, 200) }
```

Border

The CSS property to change the border of an element to XYZ 21.7553, 21.6645, 57.6786 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(82, 129, 200) }
```


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

```
.border{ border-color:rgb(82, 129, 200) }
```

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

Here you see how a box with a 4 pixel `rgb(82, 129, 200)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(82, 129, 200); -webkit-box-  
shadow:4px 4px 4px 4px rgb(82, 129, 200);  
box-shadow:4px 4px 4px 4px rgb(82, 129,  
200) }
```

Background

The CSS property to change the background color of an element to XYZ 21.7553, 21.6645, 57.6786 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(82, 129, 200) }
```

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

```
.background{ background-color: rgb(82, 129,  
200) }
```

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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