

Converting Colors

XYZ(21.5398, 24.8577, 47.4057)

Have a look what the booklet for
XYZ(21.5398, 24.8577, 47.4057)
contains.

XYZ(21.6220, 24.9882, 47.3997)	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(21.6220, 24.9882,
47.3997)**

Conversions

Conversions Part 1

Format	Color
Hex	5090B5
RGB	80, 144, 181
RGB Percent	31%, 56%, 71%
CMY	0.6863, 0.4353, 0.2902
CMYK	0.56, 0.20, 0.00, 0.29
HSL	202°, 41%, 51%
HSV	202°, 56%, 71%
XYZ	21.6220, 24.9882, 47.3997
YIQ	129.0820, -50.0210, -2.0610

Conversions

Conversions Part 2

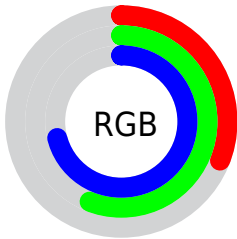
Format	Color
R_{YB}	80, 119, 181
Decimal	5279925
CIE _{Lab}	57.06, -9.70, -25.61
CIE _{LCh}	57, 27.383, 249.244
Yxy	24.9882, 0.2300, 0.2658
Android (android.graphics.Color)	4283470005 (0xFF5090B5)
YUV	129.0820, 25.5956, -43.0449
Hunter-Lab	49.9882, -10.2706, -21.2281

Details

The XYZ color **21.6220, 24.9882, 47.3997** is a dark color, and the websafe version is hex **3399CC**. A complement of this color would be **26.8661, 23.1264, 10.6381**, and the grayscale version is **20.8215, 21.9058, 23.8554**.

A 20% lighter version of the original color is **45.6335, 51.7368, 87.7018**, and **8.0116, 9.6220, 21.8570** is the 20% darker color. If you saturate the color by 10%, you get **19.3198, 22.3544, 47.0131**, and if you desaturate by 10%, it is **24.3965, 27.9540, 47.8264**.

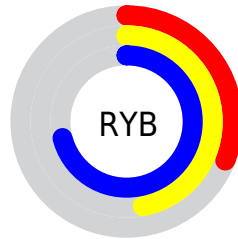
Distribution



Red (31%)

Green (56%)

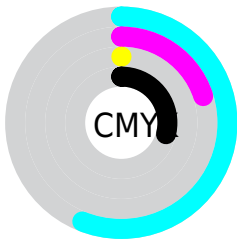
Blue (71%)



Red (31%)

Yellow (47%)

Blue (71%)

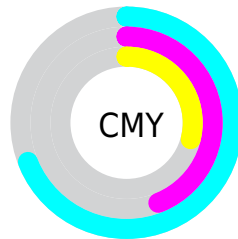


Cyan (56%)

Magenta (20%)

Yellow (0%)

Black (29%)



Cyan (69%)

Magenta (44%)

Yellow (29%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.6220, 24.9882, 47.3997 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 21.6220, 24.9882, 47.3997 by changing the saturation by 10% instead.

■ 21.6220, 24.9882,
47.3997

■ 21.6220, 24.9882,
47.3997

253.2355,
277.7792, 392.8476

■ 13.6945, 16.0683,
32.9951

■ 45.6040, 51.6381,
87.6662

■ 7.9887, 9.5725,
21.8516

■ 62.3891, 70.1368,
114.3651

■ 4.1395, 5.1164,
13.5506

■ 82.8575, 92.5973,
145.9993

■ 1.7813, 2.3157,
7.6736

■ 107.3745,
119.4038, 182.9873

■ 0.5064, 0.7820,
3.8021

■ 136.3054,
150.9409, 225.7476

■ 0.0000, 0.0000,
1.5174

170.0156,

■ 0.0000, 0.0000,

187.5929, 274.6987

0.2308

208.8706,
229.7442, 330.2592

■ 0.0000, 0.0000,
0.0000

■ 21.6220, 24.9882,
47.3997

■ 21.6220, 24.9882,
47.3997

■ 19.3198, 22.3544,
47.0131

■ 24.3965, 27.9540,
47.8264

■ 17.4524, 20.0305,
46.6630

■ 27.6719, 31.2666,
48.2932

■ 15.9805, 17.9949,
46.3477

■ 31.4773, 34.9428,
48.8022

■ 14.8531, 16.2199,
46.0645

■ 35.8388, 38.9975,
49.3549

■ 14.4365, 15.5280,
45.9529

■ 40.7805, 43.4446,
49.9528

■ 46.3252, 48.2970,
50.5972

■ 52.4944, 53.5672,
51.2893

■ 59.3084, 59.2668,
52.0303

■ 66.7867, 65.4073,
52.8214

Harmonies

Analogous

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



19.2685, 24.9882, 40.0465



21.6220, 24.9882, 47.3997



24.7597, 24.9882, 48.7458

Triad

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



21.6220, 24.9882, 47.3997



30.4050, 24.9882, 24.4561



20.0429, 24.9882, 15.6505

Complementary

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



21.6220, 24.9882, 47.3997



26.8661, 23.1264, 10.6381

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.



22.7692, 24.9882, 13.1843



21.6220, 24.9882, 47.3997



28.8788, 24.9882, 17.4563

Square

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



21.6220, 24.9882, 47.3997



30.0274, 24.9882, 33.9924



26.0144, 24.9882, 13.7607



18.4157, 24.9882, 21.3921

Rectangle

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



21.6220, 24.9882, 47.3997



26.9074, 24.9882, 45.8109



26.0144, 24.9882, 13.7607



20.8507, 24.9882, 14.4773

Sweetspot

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



21.6228, 24.9891, 47.4003



62.9610, 68.7207, 88.2406



22.9476, 35.9998, 22.0656



13.2656, 14.5373, 19.0291



86.6293, 91.1408, 99.2523



17.0014, 17.8868, 19.4787

Same Dimension

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



21.6228, 24.9891, 47.4003



33.7579, 39.0219, 84.0474



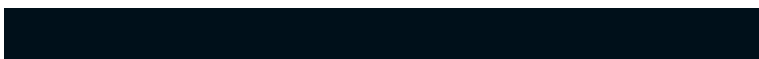
15.7553, 13.2541, 45.4445



8.4757, 9.0976, 10.8156



10.0199, 10.8402, 31.7012



0.3686, 0.4477, 1.0152

Inverse Universe

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



26.9595, 17.5755, 28.3580



44.7499, 26.1357, 44.2908



34.1136, 37.6216, 13.0540



8.7153, 8.5928, 9.9992



15.2922, 7.6345, 11.9648



0.5081, 0.2510, 0.5181

Previews

White Background



This preview shows how the XYZ color 21.6220, 24.9882, 47.3997 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 21.6220, 24.9882, 47.3997 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

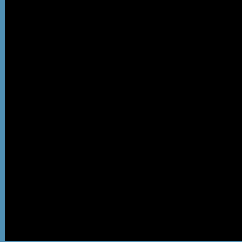
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 21.6220, 24.9882, 47.3997

Background



This preview shows how black text looks on a background with the XYZ color 21.6220, 24.9882, 47.3997.

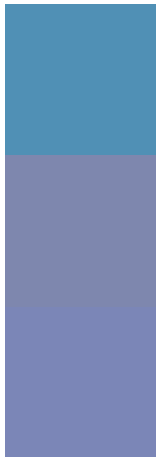


This preview shows how white text looks on a background with the XYZ color 21.6220, 24.9882,

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

21.6220, 24.9882, 47.3997

Protanopia

24.9081, 24.8196, 43.5223

Deuteranopia

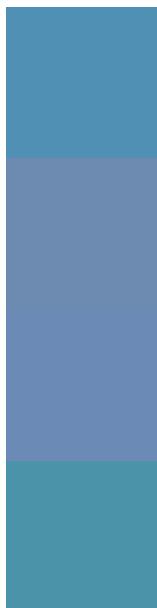
25.2407, 24.6800, 48.2331



Tritanopia

19.6076, 25.0956, 37.0682

Trichromacy



Original Color

21.6220, 24.9882, 47.3997

Protanomaly

23.3310, 24.6025, 45.1141

Deuteranomaly

23.5954, 24.6802, 47.7761

Tritanomaly

20.4033, 25.1904, 40.8327

Monochromacy



Original Color

21.6220, 24.9882, 47.3997

Achromatopsia

20.8660, 21.9526, 23.9064

Achromatomaly

20.4259, 22.5678, 31.2964

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.6220, 24.9882, 47.3997 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(80, 144, 181)` looks like.

```
.text, #text, p{  
    color:rgb(80, 144, 181)  
}
```

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(80, 144, 181) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(80, 144, 181) }
```

Border

The CSS property to change the border of an element to XYZ 21.6220, 24.9882, 47.3997 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(80, 144, 181) }
```


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

```
.border{ border-color:rgb(80, 144, 181) }
```

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

Here you see how a box with a 4 pixel `rgb(80, 144, 181)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(80, 144, 181); -webkit-box-  
shadow:4px 4px 4px 4px rgb(80, 144, 181);  
box-shadow:4px 4px 4px 4px rgb(80, 144,  
181) }
```

Background

The CSS property to change the background color of an element to XYZ 21.6220, 24.9882, 47.3997 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(80, 144, 181) }
```

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

```
.background{ background-color: rgb(80, 144,  
181) }
```

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