

Converting Colors

XYZ(21.4497, 22.5857, 60.3557)

Have a look what the booklet for
XYZ(21.4497, 22.5857, 60.3557)
contains.

XYZ(21.4875, 22.6797, 60.3718)	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(21.4875, 22.6797,
60.3718)**

Conversions

Conversions Part 1

Format	Color
Hex	3D87CC
RGB	61, 135, 204
RGB Percent	24%, 53%, 80%
CMY	0.7608, 0.4706, 0.2000
CMYK	0.70, 0.34, 0.00, 0.20
HSL	209°, 58%, 52%
HSV	209°, 70%, 80%
XYZ	21.4875, 22.6797, 60.3718
YIQ	120.7400, -66.2530, 5.7710

Conversions

Conversions Part 2

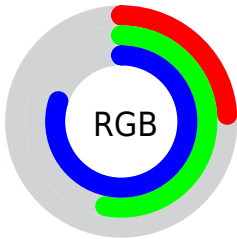
Format	Color
R _Y B	61, 110, 204
Decimal	4032460
CIE Lab	54.74, -0.33, -42.34
CIE LCh	55, 42.341, 269.560
Yxy	22.6797, 0.2055, 0.2169
Android (android.graphics.Color)	4282222540 (0xFF3D87CC)
YUV	120.7400, 41.0472, -52.3920
Hunter-Lab	47.6232, -2.8018, -41.8255

Details

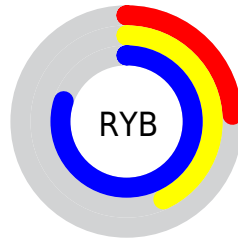
The XYZ color **21.4875, 22.6797, 60.3718** is a dark color, and the websafe version is hex **6699CC**. The color can be described as dark muted azure. A complement of this color would be **33.7282, 29.1417, 8.2633**, and the grayscale version is **17.9785, 18.9147, 20.5981**.

A 20% lighter version of the original color is **44.3454, 47.4715, 101.4334**, and **8.7526, 8.8255, 29.6760** is the 20% darker color. If you saturate the color by 10%, you get **19.1517, 19.5303, 59.8875**, and if you desaturate by 10%, it is **24.4294, 26.3307, 60.9219**.

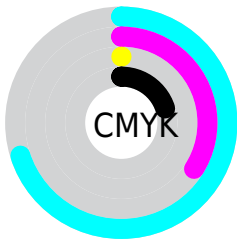
Distribution



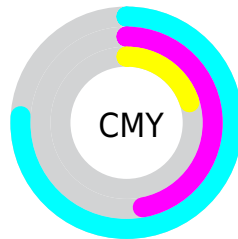
- Red (24%)
- Green (53%)
- Blue (80%)



- Red (24%)
- Yellow (43%)
- Blue (80%)



- Cyan (70%)
- Magenta (34%)
- Yellow (0%)
- Black (20%)



- Cyan (76%)
- Magenta (47%)
- Yellow (20%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.4875, 22.6797, 60.3718 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 21.4875, 22.6797, 60.3718 by changing the saturation by 10% instead.

■ 21.4875, 22.6797,
60.3718

■ 21.4875, 22.6797,
60.3718

252.5410,
266.0756, 443.8095

■ 13.5953, 14.3572,
43.2911

■ 45.3827, 47.8669,
106.9175

■ 7.9195, 8.3695,
29.7805

■ 62.1163, 65.5003,
137.2195

■ 4.0949, 4.3323,
19.4214

■ 82.5279, 87.0061,
172.7658

■ 1.7560, 1.8611,
11.7953

■ 106.9826,
112.7688, 213.9749

■ 0.4909, 0.5248,
6.4836

■ 135.8460,
143.1727, 261.2652

■ 0.0000, 0.0000,
3.0678

169.4833,

■ 0.0000, 0.0000,

178.6022, 315.0554

1.1294

208.2598,
219.4417, 375.7640

■ 0.0000, 0.0000,
0.0000

■ 21.4875, 22.6797,
60.3718

■ 21.4875, 22.6797,
60.3718

■ 19.1517, 19.5303,
59.8875

■ 24.4294, 26.3307,
60.9219

■ 17.3585, 16.8438,
59.4635

■ 28.0267, 30.5127,
61.5395

■ 16.0083, 14.5779,
59.0973

■ 32.3258, 35.2546,
62.2282

■ 37.3682, 40.5824,
62.9908

■ 43.1916, 46.5198,
63.8300

■ 49.8311, 53.0894,
64.7481

■ 57.3197, 60.3122,
65.7475

■ 65.6883, 68.2081,
66.8305

■ 74.9663, 76.7962,
67.9992

Harmonies

Analogous

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



17.3194, 22.6797, 54.1656



21.4875, 22.6797, 60.3718



26.2969, 22.6797, 54.4997

Triad

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



21.4875, 22.6797, 60.3718



30.3489, 22.6797, 14.0556



14.7041, 22.6797, 13.8221

Complementary

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



21.4875, 22.6797, 60.3718



33.7282, 29.1417, 8.2633

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.



17.4228, 22.6797, 8.3991



21.4875, 22.6797, 60.3718



26.4335, 22.6797, 8.4957

Square

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



21.4875, 22.6797, 60.3718



31.8406, 22.6797, 24.8923



21.6254, 22.6797, 6.8716



13.7659, 22.6797, 24.4974

Rectangle

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



21.4875, 22.6797, 60.3718



29.1386, 22.6797, 45.4146



21.6254, 22.6797, 6.8716



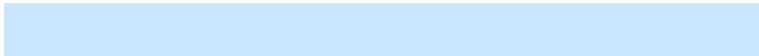
15.4187, 22.6797, 11.4869

Sweetspot

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



21.4884, 22.6805, 60.3724



70.3222, 75.8273, 105.5375



27.3971, 45.7301, 27.7146



14.4553, 15.6265, 22.5043



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.



21.4884, 22.6805, 60.3724



30.1265, 30.0273, 98.8158



14.7592, 9.2222, 58.1293



11.0739, 11.7882, 14.2621



10.1694, 9.3628, 37.2275



0.6004, 0.6346, 1.9458

Inverse Universe

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



30.9445, 17.9252, 24.7512



47.6641, 25.0873, 31.8818



46.2219, 54.1292, 12.4279



11.4506, 11.3090, 12.9077



17.3440, 8.7482, 9.5299



0.9330, 0.4666, 0.6931

Previews

White Background



This preview shows how the XYZ color 21.4875, 22.6797, 60.3718 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 21.4875, 22.6797, 60.3718 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

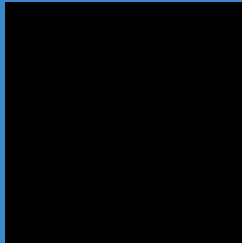
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 21.4875, 22.6797, 60.3718

Background



This preview shows how black text looks on a background with the XYZ color 21.4875, 22.6797, 60.3718.

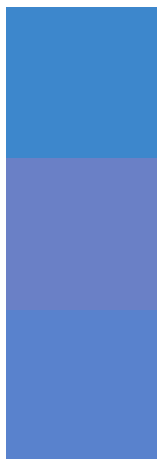


This preview shows how white text looks on a background with the XYZ color 21.4875, 22.6797,

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

21.4875, 22.6797, 60.3718

Protanopia

23.8561, 22.5797, 56.5271

Deuteranopia

23.1219, 22.4969, 60.8813



Tritanopia

16.3947, 22.7895, 34.9872

Trichromacy



Original Color

21.4875, 22.6797, 60.3718

Protanomaly

22.7581, 22.5764, 57.8018

Deuteranomaly

22.4952, 22.5726, 60.9289

Tritanomaly

17.7274, 22.4070, 42.9258

Monochromacy



Original Color

21.4875, 22.6797, 60.3718

Achromatopsia

18.1737, 19.1202, 20.8219

Achromatomaly

18.1924, 19.8087, 32.1428

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.4875, 22.6797, 60.3718 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(61, 135, 204)` looks like.

```
.text, #text, p{  
    color:rgb(61, 135, 204)  
}
```

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(61, 135, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(61, 135, 204) }
```

Border

The CSS property to change the border of an element to XYZ 21.4875, 22.6797, 60.3718 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(61, 135, 204) }
```


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

```
.border{ border-color:rgb(61, 135, 204) }
```

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

Here you see how a box with a 4 pixel rgb(61, 135, 204) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(61, 135, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(61, 135, 204);  
box-shadow:4px 4px 4px 4px rgb(61, 135,  
204) }
```

Background

The CSS property to change the background color of an element to XYZ 21.4875, 22.6797, 60.3718 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(61, 135, 204) }
```

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

```
.background{ background-color: rgb(61, 135,  
204) }
```

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