

Converting Colors

XYZ(21.2899, 17.6980, 55.7591)

Have a look what the booklet for
XYZ(21.2899, 17.6980, 55.7591)
contains.

XYZ(21.3813, 17.8056, 55.7360)	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(21.3813, 17.8056,
55.7360)**

Conversions

Conversions Part 1

Format	Color
Hex	696CC6
RGB	105, 108, 198
RGB Percent	41%, 42%, 78%
CMY	0.5882, 0.5765, 0.2235
CMYK	0.47, 0.45, 0.00, 0.22
HSL	238°, 45%, 59%
HSV	238°, 47%, 78%
XYZ	21.3813, 17.8056, 55.7360
YIQ	117.3630, -30.6780, 27.3540

Conversions

Conversions Part 2

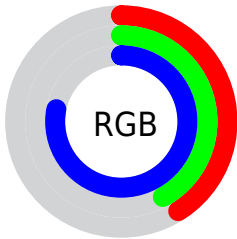
Format	Color
RYB	105, 108, 198
Decimal	6909126
CIELab	49.26, 22.80, -47.47
CIElCh	49, 52.663, 295.653
Yxy	17.8056, 0.2252, 0.1876
Android (android.graphics.Color)	4285099206 (0xFF696CC6)
YUV	117.3630, 39.7540, -10.8424
Hunter-Lab	42.1967, 16.6028, -48.7762

Details

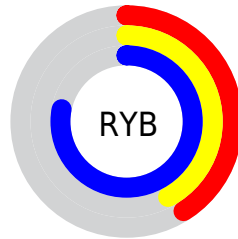
The XYZ color **21.3813, 17.8056, 55.7360** is a dark color, and the websafe version is hex **6666CC**. A complement of this color would be **45.3547, 52.0575, 21.0234**, and the grayscale version is **16.9090, 17.7896, 19.3728**.

A 20% lighter version of the original color is **45.1461, 39.5933, 99.8706**, and **7.8456, 5.9490, 26.7214** is the 20% darker color. If you saturate the color by 10%, you get **17.5170, 13.1362, 55.0388**, and if you desaturate by 10%, it is **26.2325, 23.6435, 56.6075**.

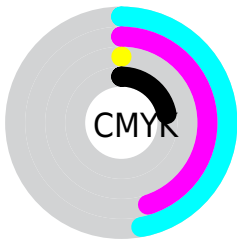
Distribution



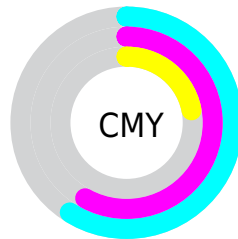
- Red (41%)
- Green (42%)
- Blue (78%)



- Red (41%)
- Yellow (42%)
- Blue (78%)



- Cyan (47%)
- Magenta (45%)
- Yellow (0%)
- Black (22%)



- Cyan (59%)
- Magenta (58%)
- Yellow (22%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.3813, 17.8056, 55.7360 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 21.3813, 17.8056, 55.7360 by changing the saturation by 10% instead.

■ 21.3813, 17.8056,
55.7360

■ 21.3813, 17.8056,
55.7360

251.9915,
239.7730, 426.0562

■ 13.5171, 10.8105,
39.5887

■ 45.2078, 39.7058,
100.1004

■ 7.8650, 5.9396,
26.9067

■ 61.9007, 55.3797,
129.1546

■ 4.0598, 2.8084,
17.2713

■ 82.2673, 74.7153,
163.3482

■ 1.7360, 1.0325,
10.2641

■ 106.6728, 98.0970,
203.0998

■ 0.4786, 0.0000,
5.4665

135.4826,
125.9093, 248.8278

■ 0.0000, 0.0000,
2.4600

169.0621,

■ 0.0000, 0.0000,

158.5364, 300.9509

0.8189

207.7766,
196.3629, 359.8875

■ 0.0000, 0.0000,
0.0000

■ 21.3813, 17.8056,
55.7360

■ 21.3813, 17.8056,
55.7360

■ 17.5170, 13.1362,
55.0388

■ 26.2325, 23.6435,
56.6075

■ 14.5700, 9.5550,
54.5028

■ 32.1297, 30.7193,
57.6625

■ 12.4649, 6.9745,
54.1157

■ 39.1297, 39.0992,
58.9110

■ 11.1134, 5.2929,
53.8623

■ 47.2849, 48.8441,
60.3621

■ 10.4021, 4.3836,
53.7243

■ 56.6441, 60.0111,
62.0243

■ 10.2624, 4.2158,
53.6993

■ 67.2534, 72.6541,
63.9055

■ 79.1565, 86.8241,
66.0132

■ 87.1931, 96.8572,
67.5262

Harmonies

Analogous

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



16.2134, 17.8056, 61.1705



21.3813, 17.8056, 55.7360



26.0472, 17.8056, 39.1592

Triad

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



21.3813, 17.8056, 55.7360



22.8730, 17.8056, 4.4781



9.1050, 17.8056, 17.3963

Complementary

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



21.3813, 17.8056, 55.7360



45.3547, 52.0575, 21.0234

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.



10.2263, 17.8056, 7.7272



21.3813, 17.8056, 55.7360



17.6544, 17.8056, 2.9405

Square

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



21.3813, 17.8056, 55.7360



27.0195, 17.8056, 9.8288



13.1331, 17.8056, 3.7454



9.7200, 17.8056, 33.7218

Rectangle

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



21.3813, 17.8056, 55.7360



27.9039, 17.8056, 26.9453



13.1331, 17.8056, 3.7454



9.2841, 17.8056, 13.3939

Sweetspot

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



21.3820, 17.8062, 55.7364



73.0654, 73.7499, 104.9919



35.8595, 47.3276, 58.8161



14.9947, 15.0152, 22.3579



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.



21.3820, 17.8062, 55.7364



31.0959, 23.3545, 97.4767



27.5308, 20.5147, 55.9352



10.0836, 10.3413, 13.3821



6.6859, 2.7657, 34.9258



0.3264, 0.1505, 1.6570

Inverse Universe

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



31.0477, 23.1926, 17.0280



50.2556, 34.1722, 20.7160



36.1856, 48.3377, 20.7886



10.6475, 10.6424, 11.1270



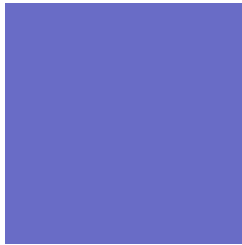
15.1741, 7.8192, 0.8605



0.7234, 0.3722, 0.0668

Previews

White Background



This preview shows how the XYZ color 21.3813, 17.8056, 55.7360 looks on a white background.

Color Contrast Check

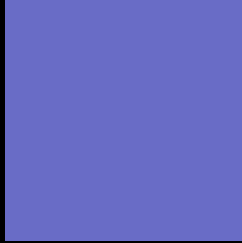
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 21.3813, 17.8056, 55.7360 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

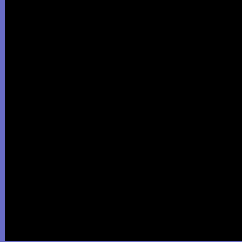
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 21.3813, 17.8056, 55.7360

Background



This preview shows how black text looks on a background with the XYZ color 21.3813, 17.8056, 55.7360.



This preview shows how white text looks on a background with the XYZ color 21.3813, 17.8056,

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

21.3813, 17.8056, 55.7360

Protanopia

19.8969, 17.9308, 59.5390

Deuteranopia

18.4921, 17.9992, 54.7241



Tritanopia

15.1543, 17.8378, 24.8346

Trichromacy



Original Color

21.3813, 17.8056, 55.7360

Protanomaly

20.3853, 17.8788, 58.2537

Deuteranomaly

19.2372, 17.6855, 55.2231

Tritanomaly

17.0784, 17.7183, 34.4181

Monochromacy



Original Color

21.3813, 17.8056, 55.7360

Achromatopsia

16.9083, 17.7888, 19.3720

Achromatomaly

18.0157, 17.6207, 29.6457

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.3813, 17.8056, 55.7360 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(105, 108, 198)` looks like.

```
.text, #text, p{  
    color:rgb(105, 108, 198)  
}
```

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(105, 108, 198) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(105, 108, 198) }
```

Border

The CSS property to change the border of an element to XYZ 21.3813, 17.8056, 55.7360 is called "border". The border property can be set on classes, ids or directly on the HTML element.

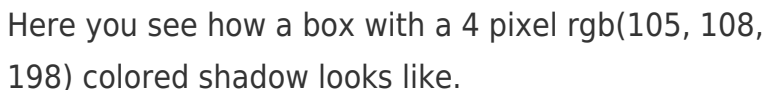
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(105, 108, 198) }
```


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

```
.border{ border-color:rgb(105, 108, 198) }
```

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



Here you see how a box with a 4 pixel `rgb(105, 108, 198)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(105, 108, 198); -webkit-box-shadow:4px 4px 4px 4px rgb(105, 108, 198); box-shadow:4px 4px 4px 4px rgb(105, 108, 198) }
```

Background

The CSS property to change the background color of an element to XYZ 21.3813, 17.8056, 55.7360 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(105, 108, 198) }
```

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

```
.background{ background-color: rgb(105,  
108, 198) }
```

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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