

Converting Colors

XYZ(19.7787, 22.7126, 47.5975)

Have a look what the booklet for XYZ(19.7787, 22.7126, 47.5975) contains.

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Color

**XYZ(19.7787, 22.7126,
47.5975)**

Conversions

Conversions Part 1

Format	Color
Hex	428AB6
RGB	66, 138, 182
RGB Percent	26%, 54%, 71%
CMY	0.7412, 0.4588, 0.2863
CMYK	0.64, 0.24, 0.00, 0.29
HSL	203°, 47%, 49%
HSV	203°, 64%, 71%
XYZ	19.7787, 22.7126, 47.5975
YIQ	121.4880, -57.0360, -1.5800

Conversions

Conversions Part 2

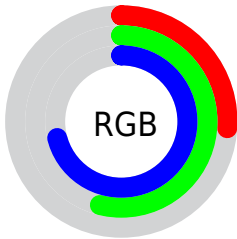
Format	Color
R _Y B	66, 110, 182
Decimal	4360886
CIE Lab	54.78, -8.77, -29.76
CIE LCh	55, 31.028, 253.580
Yxy	22.7126, 0.2195, 0.2521
Android (android.graphics.Color)	4282550966 (0xFF428AB6)
YUV	121.4880, 29.8324, -48.6630
Hunter-Lab	47.6577, -9.3208, -25.8546

Details

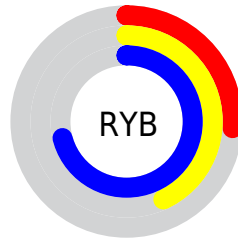
The XYZ color **19.7787, 22.7126, 47.5975** is a dark color, and the websafe version is hex **3399CC**. A complement of this color would be **25.8515, 21.4914, 7.9408**, and the grayscale version is **18.2523, 19.2028, 20.9119**.

A 20% lighter version of the original color is **42.5209, 47.7946, 87.8731**, and **7.4522, 8.5644, 22.0292** is the 20% darker color. If you saturate the color by 10%, you get **17.7829, 20.2601, 47.2298**, and if you desaturate by 10%, it is **22.2291, 25.4937, 48.0056**.

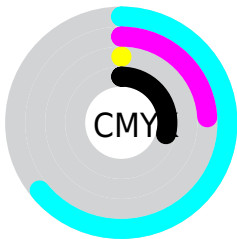
Distribution



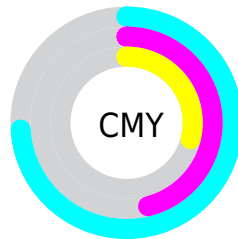
- Red (26%)
- Green (54%)
- Blue (71%)



- Red (26%)
- Yellow (43%)
- Blue (71%)



- Cyan (64%)
- Magenta (24%)
- Yellow (0%)
- Black (29%)



- Cyan (74%)
- Magenta (46%)
- Yellow (29%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.7787, 22.7126, 47.5975 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 19.7787, 22.7126, 47.5975 by changing the saturation by 10% instead.

■ 19.7787, 22.7126,
47.5975

■ 19.7787, 22.7126,
47.5975

243.5710,
266.2454, 393.6571

■ 12.3416, 14.3814,
33.1505

■ 42.5526, 47.9210,
87.9641

■ 7.0506, 8.3864,
21.9697

■ 58.6202, 65.5670,
114.7208

■ 3.5404, 4.3432,
13.6365

■ 78.2952, 87.0867,
146.4179

■ 1.4456, 1.8673,
7.7325

■ 101.9432,
112.8646, 183.4738

■ 0.2883, 0.5286,
3.8389

■ 129.9294,
143.2850, 226.3072

■ 0.0000, 0.0000,
1.5374

162.6192,

■ 0.0000, 0.0000,

178.7324, 275.3365

0.2456

200.3780,
219.5910, 330.9803

■ 0.0000, 0.0000,
0.0000

■ 19.7787, 22.7126,
47.5975

■ 19.7787, 22.7126,
47.5975

■ 17.7829, 20.2601,
47.2298

■ 22.2291, 25.4937,
48.0056

■ 16.1997, 18.1117,
46.8985

■ 25.1665, 28.6205,
48.4543

■ 14.9823, 16.2419,
46.6018

■ 28.6224, 32.1115,
48.9460

■ 14.3448, 15.1799,
46.4304

■ 32.6252, 35.9828,
49.4823

■ 37.2010, 40.2495,
50.0646

■ 42.3742, 44.9255,
50.6945

■ 48.1675, 50.0241,
51.3733

■ 54.6026, 55.5580,
52.1023

■ 61.7000, 61.5391,
52.8827

Harmonies

Analogous

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



17.1589, 22.7126, 40.1474



19.7787, 22.7126, 47.5975



23.1715, 22.7126, 47.9729

Triad

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



19.7787, 22.7126, 47.5975



28.6443, 22.7126, 20.5599



17.3578, 22.7126, 13.4271

Complementary

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



19.7787, 22.7126, 47.5975



25.8515, 21.4914, 7.9408

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.



20.0776, 22.7126, 10.5519



19.7787, 22.7126, 47.5975



26.7195, 22.7126, 13.8719

Square

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



19.7787, 22.7126, 47.5975



28.5424, 22.7126, 30.4552



23.5037, 22.7126, 10.6896



15.8657, 22.7126, 19.7717

Rectangle

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



19.7787, 22.7126, 47.5975



25.4397, 22.7126, 44.0108



23.5037, 22.7126, 10.6896



18.1455, 22.7126, 12.1081

Sweetspot

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



19.7795, 22.7134, 47.5981



62.6780, 68.5588, 90.1654



21.7107, 35.7089, 20.0859



13.3339, 14.6639, 19.8493



88.6918, 93.3107, 101.6153



17.8044, 18.7317, 20.3988

Same Dimension

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



19.7795, 22.7134, 47.5981



31.1384, 35.2864, 85.4055



13.6683, 10.4911, 45.5610



8.9727, 9.6227, 11.4639



10.1957, 10.8511, 32.8102



0.4171, 0.4978, 1.1759

Inverse Universe

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



25.8277, 15.6773, 25.7103



43.5753, 23.8048, 39.7282



34.0088, 37.8059, 10.6599



9.2326, 9.1034, 10.5722



15.7600, 7.8778, 11.8889



0.5847, 0.2893, 0.5723

Previews

White Background



This preview shows how the XYZ color 19.7787, 22.7126, 47.5975 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 19.7787, 22.7126, 47.5975 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

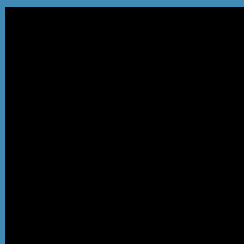
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

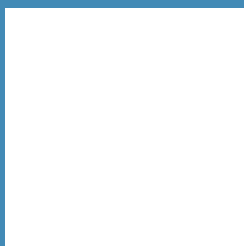
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 19.7787, 22.7126, 47.5975

Background



This preview shows how black text looks on a background with the XYZ color 19.7787, 22.7126, 47.5975.

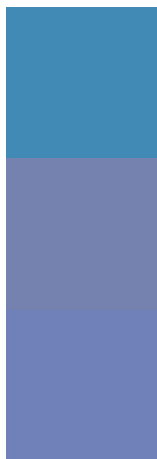


This preview shows how white text looks on a background with the XYZ color 19.7787, 22.7126,

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

19.7787, 22.7126, 47.5975

Protanopia

22.9242, 22.5776, 43.7071

Deuteranopia

23.0575, 22.5407, 48.4829



Tritanopia

17.1550, 22.7415, 34.4957

Trichromacy



Original Color

19.7787, 22.7126, 47.5975

Protanomaly

21.3241, 22.3136, 45.3025

Deuteranomaly

21.5178, 22.3543, 47.9805

Tritanomaly

18.0038, 22.6362, 39.0176

Monochromacy



Original Color

19.7787, 22.7126, 47.5975

Achromatopsia

18.1737, 19.1202, 20.8219

Achromatomaly

17.9141, 19.9286, 28.8890

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.7787, 22.7126, 47.5975 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(66, 138, 182)` looks like.

```
.text, #text, p{  
    color:rgb(66, 138, 182)  
}
```

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(66, 138, 182) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(66, 138, 182) }
```

Border

The CSS property to change the border of an element to XYZ 19.7787, 22.7126, 47.5975 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(66, 138, 182) }
```


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

```
.border{ border-color:rgb(66, 138, 182) }
```

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

Here you see how a box with a 4 pixel `rgb(66, 138, 182)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(66, 138, 182); -webkit-box-  
shadow:4px 4px 4px 4px rgb(66, 138, 182);  
box-shadow:4px 4px 4px 4px rgb(66, 138,  
182) }
```

Background

The CSS property to change the background color of an element to XYZ 19.7787, 22.7126, 47.5975 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(66, 138, 182) }
```

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

```
.background{ background-color: rgb(66, 138,  
182) }
```

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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