

Converting Colors

XYZ(19.7381, 22.3358, 40.1717)

Have a look what the booklet for
XYZ(19.7381, 22.3358, 40.1717)
contains.

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Color

**XYZ(19.8025, 22.4617,
40.3376)**

Conversions

Conversions Part 1

Format	Color
Hex	5788A8
RGB	87, 136, 168
RGB Percent	34%, 53%, 66%
CMY	0.6588, 0.4667, 0.3412
CMYK	0.48, 0.19, 0.00, 0.34
HSL	204°, 32%, 50%
HSV	204°, 48%, 66%
XYZ	19.8025, 22.4617, 40.3376
YIQ	124.9970, -39.4760, -0.4360

Conversions

Conversions Part 2

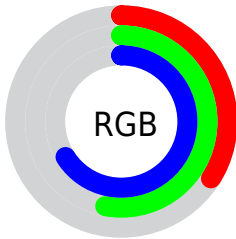
Format	Color
R_{YB}	87, 118, 168
Decimal	5736616
CIE _{Lab}	54.51, -7.52, -22.07
CIE _{LCh}	55, 23.314, 251.171
Yxy	22.4617, 0.2397, 0.2719
Android (android.graphics.Color)	4283926696 (0xFF5788A8)
YUV	124.9970, 21.2005, -33.3234
Hunter-Lab	47.3938, -8.3566, -17.2870

Details

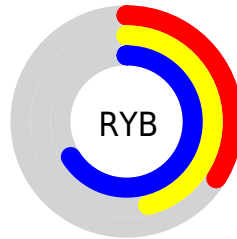
The XYZ color **19.8025, 22.4617, 40.3376** is a dark color, and the websafe version is hex **6699CC**. A complement of this color would be **24.4661, 22.2072, 12.0145**, and the grayscale version is **19.4330, 20.4451, 22.2647**.

A 20% lighter version of the original color is **42.5014, 47.3856, 76.7183**, and **7.0452, 8.2078, 17.7359** is the 20% darker color. If you saturate the color by 10%, you get **17.5069, 19.9338, 39.9711**, and if you desaturate by 10%, it is **22.5225, 25.2953, 40.7416**.

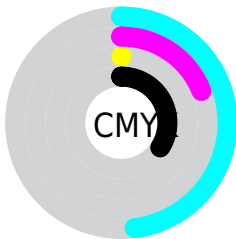
Distribution



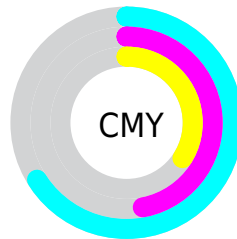
- Red (34%)
- Green (53%)
- Blue (66%)



- Red (34%)
- Yellow (46%)
- Blue (66%)



- Cyan (48%)
- Magenta (19%)
- Yellow (0%)
- Black (34%)



- Cyan (66%)
- Magenta (47%)
- Yellow (34%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.8025, 22.4617, 40.3376 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 19.8025, 22.4617, 40.3376 by changing the saturation by 10% instead.

■ 19.8025, 22.4617,
40.3376

■ 19.8025, 22.4617,
40.3376

243.6979,
264.9480, 363.1388

■ 12.3590, 14.1965,
27.4861

■ 42.5923, 47.5079,
76.9200

■ 7.0626, 8.2575,
17.7030

■ 58.6693, 65.0578,
101.4880

■ 3.5480, 4.2602,
10.5697

■ 78.3548, 86.4713,
130.7986

■ 1.4497, 1.8201,
5.6678

■ 102.0142,
112.1329, 165.2702

■ 0.2912, 0.4997,
2.5786

130.0129,
142.4270, 205.3215

■ 0.0000, 0.0000,
0.8814

162.7161,

■ 0.0000, 0.0000,

177.7379, 251.3710

0.0000

200.4894,
218.4501, 303.8373

■ 19.8025, 22.4617,
40.3376

■ 19.8025, 22.4617,
40.3376

■ 17.5069, 19.9338,
39.9711

■ 22.5225, 25.2953,
40.7416

■ 15.6067, 17.6936,
39.6388

■ 25.6889, 28.4460,
41.1828

■ 14.0727, 15.7250,
39.3397

■ 29.3247, 31.9275,
41.6632

■ 12.8697, 14.0083,
39.0717

■ 33.4507, 35.7521,
42.1840

■ 11.9376, 12.5108,
38.8318

■ 38.0862, 39.9312,
42.7463

■ 11.7831, 12.2576,
38.7911

■ 43.2496, 44.4754,
43.3513

■ 48.9582, 49.3952,
44.0000

■ 55.2287, 54.7003,
44.6935

■ 62.0767, 60.4001,
45.4328

Harmonies

Analogous

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



17.8604, 22.4617, 34.9380



19.8025, 22.4617, 40.3376



22.3152, 22.4617, 41.0203

Triad

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



19.8025, 22.4617, 40.3376



26.5408, 22.4617, 21.8310



18.2755, 22.4617, 15.3210

Complementary

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



19.8025, 22.4617, 40.3376



24.4661, 22.2072, 12.0145

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.



20.4114, 22.4617, 13.0875



19.8025, 22.4617, 40.3376



25.2650, 22.4617, 16.3146

Square

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



19.8025, 22.4617, 40.3376



26.3449, 22.4617, 29.2849



22.9744, 22.4617, 13.4107



17.0286, 22.4617, 20.1912

Rectangle

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



19.8025, 22.4617, 40.3376



23.9944, 22.4617, 38.5791



22.9744, 22.4617, 13.4107



18.9059, 22.4617, 14.2855

Sweetspot

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



19.8032, 22.4625, 40.3381



56.0667, 60.6063, 75.9682



21.2067, 31.3412, 22.0876



11.8903, 12.9019, 16.5158



80.6108, 84.8088, 92.3568



14.7206, 15.4872, 16.8656

Same Dimension

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



19.8032, 22.4625, 40.3381



31.4474, 35.8060, 72.4789



15.2231, 13.3023, 38.8114



7.4951, 8.0271, 9.5727



8.9491, 9.3584, 29.3102



0.2655, 0.3232, 0.7290

Inverse Universe

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



24.0012, 16.9195, 25.2942



40.3063, 25.6458, 40.3871



30.1901, 33.6553, 13.9225



7.7145, 7.6157, 8.8137



14.0177, 7.0158, 10.1706



0.3652, 0.1803, 0.3744

Previews

White Background



This preview shows how the XYZ color 19.8025, 22.4617, 40.3376 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 19.8025, 22.4617, 40.3376 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

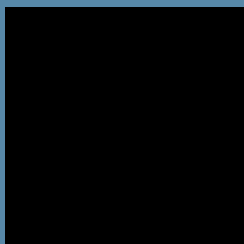
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

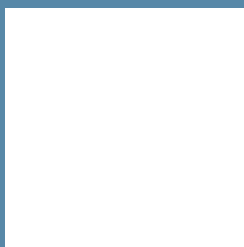
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 19.8025, 22.4617, 40.3376

Background



This preview shows how black text looks on a background with the XYZ color 19.8025, 22.4617, 40.3376.

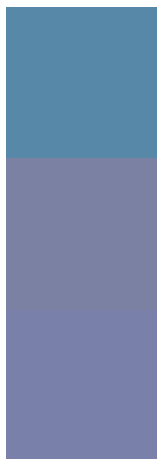


This preview shows how white text looks on a background with the XYZ color 19.8025, 22.4617,

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

19.8025, 22.4617, 40.3376

Protanopia

22.4872, 22.4824, 37.8047

Deuteranopia

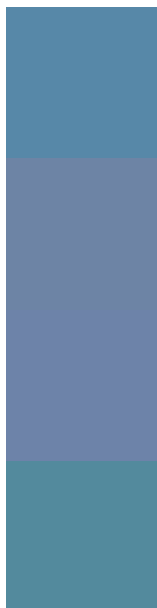
22.8600, 22.4056, 41.1501



Tritanopia

18.1310, 22.4166, 32.2254

Trichromacy



Original Color

19.8025, 22.4617, 40.3376

Protanomaly

21.3495, 22.4704, 38.8093

Deuteranomaly

21.5844, 22.3484, 40.7122

Tritanomaly

18.7416, 22.4503, 35.2438

Monochromacy



Original Color

19.8025, 22.4617, 40.3376

Achromatopsia

19.4927, 20.5079, 22.3331

Achromatomaly

19.2135, 21.0031, 28.2406

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.8025, 22.4617, 40.3376 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(87, 136, 168)` looks like.

```
.text, #text, p{  
    color:rgb(87, 136, 168)  
}
```

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(87, 136, 168) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(87, 136, 168) }
```

Border

The CSS property to change the border of an element to XYZ 19.8025, 22.4617, 40.3376 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(87, 136, 168) }
```


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

```
.border{ border-color:rgb(87, 136, 168) }
```

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

Here you see how a box with a 4 pixel `rgb(87, 136, 168)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(87, 136, 168); -webkit-box-  
shadow:4px 4px 4px 4px rgb(87, 136, 168);  
box-shadow:4px 4px 4px 4px rgb(87, 136,  
168) }
```

Background

The CSS property to change the background color of an element to XYZ 19.8025, 22.4617, 40.3376 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(87, 136, 168) }
```

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

```
.background{ background-color: rgb(87, 136,  
168) }
```

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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