

Converting Colors

XYZ(19.7981, 20.1542, 44.1828)

Have a look what the booklet for
XYZ(19.7981, 20.1542, 44.1828)
contains.

XYZ(19.8855, 20.2212, 44.4500)	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(19.8855, 20.2212,
44.4500)**

Conversions

Conversions Part 1

Format	Color
Hex	5E7DB1
RGB	94, 125, 177
RGB Percent	37%, 49%, 69%
CMY	0.6314, 0.5098, 0.3059
CMYK	0.47, 0.29, 0.00, 0.31
HSL	218°, 35%, 53%
HSV	218°, 47%, 69%
XYZ	19.8855, 20.2212, 44.4500
YIQ	121.6590, -35.1680, 9.6000

Conversions

Conversions Part 2

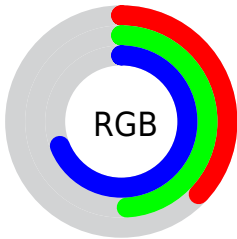
Format	Color
R_{YB}	94, 117, 177
Decimal	6192561
CIE _{Lab}	52.09, 3.35, -30.98
CIE _{LCh}	52, 31.156, 276.174
Yxy	20.2212, 0.2352, 0.2391
Android (android.graphics.Color)	4284382641 (0xFF5E7DB1)
YUV	121.6590, 27.2831, -24.2569
Hunter-Lab	44.9680, 0.2413, -27.1294

Details

The XYZ color **19.8855, 20.2212, 44.4500** is a dark color, and the websafe version is hex **336699**. A complement of this color would be **30.4315, 30.7140, 14.9150**, and the grayscale version is **18.3104, 19.2640, 20.9785**.

A 20% lighter version of the original color is **42.6429, 43.6234, 83.2634**, and **7.0592, 7.0555, 20.0586** is the 20% darker color. If you saturate the color by 10%, you get **16.9480, 16.7382, 43.9329**, and if you desaturate by 10%, it is **23.3974, 24.2337, 45.0398**.

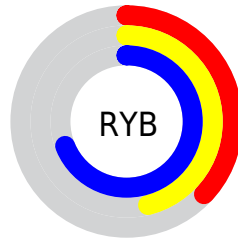
Distribution



Red (37%)

Green (49%)

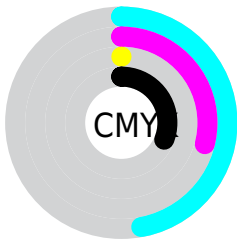
Blue (69%)



Red (37%)

Yellow (46%)

Blue (69%)

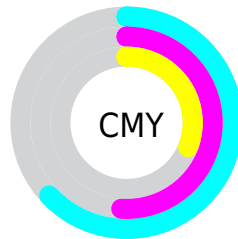


Cyan (47%)

Magenta (29%)

Yellow (0%)

Black (31%)



Cyan (63%)

Magenta (51%)

Yellow (31%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.8855, 20.2212, 44.4500 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 19.8855, 20.2212, 44.4500 by changing the saturation by 10% instead.

■ 19.8855, 20.2212,
44.4500

■ 19.8855, 20.2212,
44.4500

244.1400,
253.1101, 380.6364

■ 12.4196, 12.5559,
30.6846

■ 42.7305, 43.7877,
83.2041

■ 7.1044, 7.1235,
20.1024

■ 58.8404, 60.4578,
109.0300

■ 3.5744, 3.5394,
12.2847

■ 78.5623, 80.8982,
139.7131

■ 1.4643, 1.4194,
6.8130

■ 102.2616,
105.4935, 175.6720

■ 0.3013, 0.2310,
3.2687

130.3037,
134.6279, 217.3253

■ 0.0000, 0.0000,
1.2334

163.0539,

■ 0.0000, 0.0000,

168.6858, 265.0914

0.0063

200.8775,
208.0518, 319.3889

■ 0.0000, 0.0000,
0.0000

■ 19.8855, 20.2212,
44.4500

■ 19.8855, 20.2212,
44.4500

■ 16.9480, 16.7382,
43.9329

■ 23.3974, 24.2337,
45.0398

■ 14.5488, 13.7574,
43.4840

■ 27.5124, 28.7968,
45.7037

■ 12.6506, 11.2520,
43.1005

■ 32.2601, 33.9329,
46.4448

■ 11.2100, 9.1911,
42.7786

■ 37.6671, 39.6625,
47.2657

■ 10.1672, 7.5347,
42.5139

■ 43.7585, 46.0049,
48.1689

■ 9.8904, 7.0833,
42.4413

■ 50.5582, 52.9785,
49.1566

■ 58.0887, 60.6011,
50.2310

■ 66.3716, 68.8894,
51.3942

■ 75.4276, 77.8598,
52.6484

Harmonies

Analogous

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



16.8514, 20.2212, 42.2628



19.8855, 20.2212, 44.4500



23.0637, 20.2212, 39.4172

Triad

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



19.8855, 20.2212, 44.4500



24.5964, 20.2212, 13.2064



14.1463, 20.2212, 15.6678

Complementary

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



19.8855, 20.2212, 44.4500



30.4315, 30.7140, 14.9150

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.



15.8283, 20.2212, 10.6814



19.8855, 20.2212, 44.4500



21.8000, 20.2212, 9.5592

Square

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



19.8855, 20.2212, 44.4500



25.9703, 20.2212, 20.1854



18.5688, 20.2212, 8.7828



13.7536, 20.2212, 23.9571

Rectangle

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



19.8855, 20.2212, 44.4500



24.7664, 20.2212, 33.2892



18.5688, 20.2212, 8.7828



14.5698, 20.2212, 13.6293

Sweetspot

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



19.8862, 20.2219, 44.4505



60.2271, 63.3882, 83.5561



25.4639, 35.8745, 32.4454



12.6281, 13.2849, 18.0430



84.5950, 89.0005, 96.9216



16.2198, 17.0645, 18.5832

Same Dimension

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



19.8862, 20.2219, 44.4505



30.3217, 29.9393, 78.6760



17.6115, 14.1048, 43.3896



8.2933, 8.7329, 10.7548



7.2200, 5.2404, 30.7679



0.2843, 0.2791, 0.9871

Inverse Universe

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



25.8365, 18.8340, 21.6763



42.5479, 28.2132, 31.6287



33.7464, 40.5030, 16.6298



8.6233, 8.5560, 9.5145



13.8790, 7.0691, 4.5226



0.4655, 0.2340, 0.2941

Previews

White Background



This preview shows how the XYZ color 19.8855, 20.2212, 44.4500 looks on a white background.

Color Contrast Check

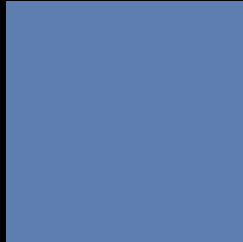
Large Text (above 18pt) WCAG AA ✓ Pass

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 19.8855, 20.2212, 44.4500 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

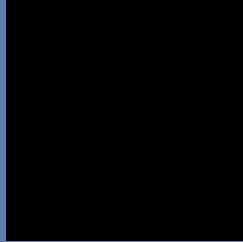
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

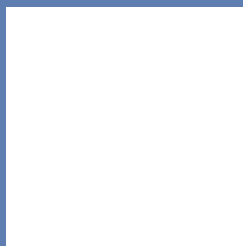
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 19.8855, 20.2212, 44.4500

Background



This preview shows how black text looks on a background with the XYZ color 19.8855, 20.2212, 44.4500.

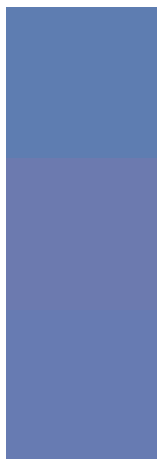


This preview shows how white text looks on a background with the XYZ color 19.8855, 20.2212,

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

19.8855, 20.2212, 44.4500

Protanopia

20.8817, 20.2024, 43.3563

Deuteranopia

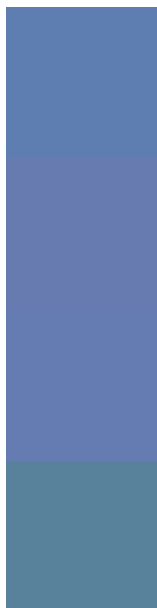
20.7124, 20.2638, 44.9391



Tritanopia

16.7899, 20.3403, 28.6323

Trichromacy



Original Color

19.8855, 20.2212, 44.4500

Protanomaly

20.5130, 20.1841, 43.8891

Deuteranomaly

20.4991, 20.3390, 44.9649

Tritanomaly

17.7912, 20.1418, 33.9604

Monochromacy



Original Color

19.8855, 20.2212, 44.4500

Achromatopsia

18.4984, 19.4618, 21.1939

Achromatomaly

18.6475, 19.5637, 28.3845

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.8855, 20.2212, 44.4500 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(94, 125, 177)` looks like.

```
.text, #text, p{  
    color:rgb(94, 125, 177)  
}
```

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(94, 125, 177) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(94, 125, 177) }
```

Border

The CSS property to change the border of an element to XYZ 19.8855, 20.2212, 44.4500 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(94, 125, 177) }
```


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

```
.border{ border-color:rgb(94, 125, 177) }
```

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

Here you see how a box with a 4 pixel `rgb(94, 125, 177)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(94, 125, 177); -webkit-box-  
shadow:4px 4px 4px 4px rgb(94, 125, 177);  
box-shadow:4px 4px 4px 4px rgb(94, 125,  
177) }
```

Background

The CSS property to change the background color of an element to XYZ 19.8855, 20.2212, 44.4500 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(94, 125, 177) }
```

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

```
.background{ background-color: rgb(94, 125,  
177) }
```

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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