

Converting Colors

XYZ(22.1558, 23.7465, 33.5530)

Have a look what the booklet for
XYZ(22.1558, 23.7465, 33.5530)
contains.

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Color

**XYZ(22.1617, 23.8302,
33.5686)**

Conversions

Conversions Part 1

Format	Color
Hex	778899
RGB	119, 136, 153
RGB Percent	47%, 53%, 60%
CMY	0.5333, 0.4667, 0.4000
CMYK	0.22, 0.11, 0.00, 0.40
HSL	210°, 14%, 53%
HSV	210°, 22%, 60%
XYZ	22.1617, 23.8302, 33.5686
YIQ	132.8550, -15.5890, 1.6830

Conversions

Conversions Part 2

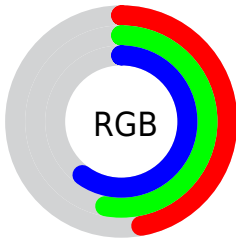
Format	Color
R_{YB}	119, 130, 153
Decimal	7833753
CIE _{Lab}	55.92, -2.24, -11.11
CIE _{LCh}	56, 11.339, 258.589
Yxy	23.8302, 0.2786, 0.2995
Android (android.graphics.Color)	4286023833 (0xFF778899)
YUV	132.8550, 9.9315, -12.1508
Hunter-Lab	48.8162, -4.3924, -6.5996

Details

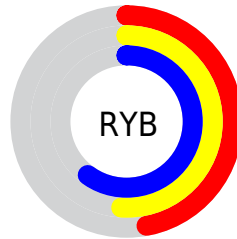
The XYZ color **22.1617, 23.8302, 33.5686** is a dark color, and the websafe version is hex **999999**, and the color name is **lightslategray**. A complement of this color would be **25.2710, 25.7126, 21.0844**, and the grayscale version is **22.2113, 23.3680, 25.4478**.

A 20% lighter version of the original color is **46.4733, 49.6708, 66.1695**, and **8.2518, 8.9170, 13.8566** is the 20% darker color. If you saturate the color by 10%, you get **19.1896, 20.7560, 33.1322**, and if you desaturate by 10%, it is **25.5502, 27.2345, 34.0475**.

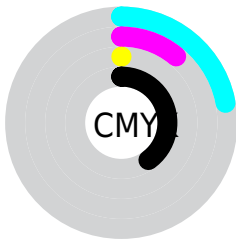
Distribution



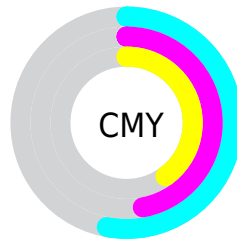
- Red (47%)
- Green (53%)
- Blue (60%)



- Red (47%)
- Yellow (51%)
- Blue (60%)



- Cyan (22%)
- Magenta (11%)
- Yellow (0%)
- Black (40%)



- Cyan (53%)
- Magenta (47%)
- Yellow (40%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 22.1617, 23.8302, 33.5686 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 22.1617, 23.8302, 33.5686 by changing the saturation by 10% instead.

■ 22.1617, 23.8302,
33.5686

■ 22.1617, 23.8302,
33.5686

256.0061,
271.9609, 332.9144

■ 14.0930, 15.2077,
22.2877

■ 46.4900, 49.7530,
66.3884

■ 8.2675, 8.9653,
13.8681

■ 63.4803, 67.8220,
88.7645

■ 4.3199, 4.7186,
7.8913

■ 84.1752, 89.8088,
115.6760

■ 1.8846, 2.0831,
3.9387

108.9400,
116.0975, 147.5415

■ 0.5679, 0.6551,
1.5918

138.1402,
147.0727, 184.7796

■ 0.0000, 0.0000,
0.2849

172.1410,

■ 0.0000, 0.0000,

183.1188, 227.8087

0.0000

211.3079,
224.6200, 277.0475

■ 22.1617, 23.8302,
33.5686

■ 22.1617, 23.8302,
33.5686

■ 19.1896, 20.7560,
33.1322

■ 25.5502, 27.2345,
34.0475

■ 16.6140, 17.9973,
32.7355

■ 29.3696, 30.9767,
34.5685

■ 14.4165, 15.5429,
32.3776

■ 33.6362, 35.0682,
35.1334

■ 12.5763, 13.3796,
32.0570

■ 38.3649, 39.5187,
35.7432

■ 11.0703, 11.4927,
31.7722

■ 43.5698, 44.3376,
36.3990

■ 9.8724, 9.8661,
31.5214

■ 49.2644, 49.5341,
37.1019

■ 8.9520, 8.4813,
31.3026

■ 55.4617, 55.1167,
37.8528

■ 8.3694, 7.5391,
31.1514

■ 62.1741, 61.0938,
38.6527

■ 68.7845, 67.1492,
39.4731

Harmonies

Analogous

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



21.0453, 23.8302, 31.6600



22.1617, 23.8302, 33.5686



23.4515, 23.8302, 33.2955

Triad

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



22.1617, 23.8302, 33.5686



25.0883, 23.8302, 23.7434



20.8365, 23.8302, 21.5177

Complementary

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



22.1617, 23.8302, 33.5686



25.2710, 25.7126, 21.0844

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.



21.8668, 23.8302, 19.7681



22.1617, 23.8302, 33.5686



24.3340, 23.8302, 20.9663

Square

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



22.1617, 23.8302, 33.5686



25.1746, 23.8302, 27.3810



23.1452, 23.8302, 19.5763



20.2999, 23.8302, 24.5641

Rectangle

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



22.1617, 23.8302, 33.5686



24.2358, 23.8302, 31.9180



23.1452, 23.8302, 19.5763



21.1347, 23.8302, 20.7714

Sweetspot

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



22.1624, 23.8312, 33.5691



49.1355, 52.1029, 61.4391



23.4032, 28.4663, 27.3435



10.7719, 11.4286, 13.5557



72.9764, 76.7769, 83.6100



11.9732, 12.5967, 13.7178

Same Dimension

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



22.1624, 23.8312, 33.5691



36.7712, 39.6810, 59.6931



20.0225, 19.5514, 32.8558



6.1268, 6.5111, 7.8628



6.9505, 6.2977, 25.7569



0.1402, 0.1668, 0.3972

Inverse Universe

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



24.1782, 21.7441, 26.2164



41.1335, 35.4200, 43.7242



27.7657, 30.7020, 21.9160



6.3311, 6.2716, 7.1239



11.9671, 6.0411, 6.3515



0.1972, 0.0977, 0.1915

Previews

White Background



This preview shows how the XYZ color 22.1617, 23.8302, 33.5686 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 22.1617, 23.8302, 33.5686 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

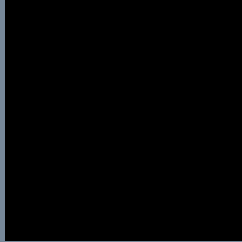
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

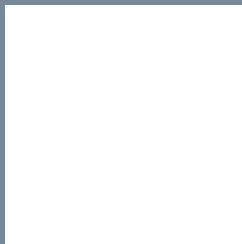
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 22.1617, 23.8302, 33.5686

Background



This preview shows how black text looks on a background with the XYZ color 22.1617, 23.8302, 33.5686.



This preview shows how white text looks on a background with the XYZ color 22.1617, 23.8302,

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

22.1617, 23.8302, 33.5686

Protanopia

23.3335, 23.8347, 32.6489

Deuteranopia

24.1319, 23.6167, 33.8584



Tritanopia

21.7622, 23.8810, 31.4795

Trichromacy



Original Color

22.1617, 23.8302, 33.5686

Protanomaly

22.9450, 23.8292, 33.0959

Deuteranomaly

23.2899, 23.5814, 33.8960

Tritanomaly

21.9219, 23.9449, 32.3206

Monochromacy



Original Color

22.1617, 23.8302, 33.5686

Achromatopsia

22.2940, 23.4551, 25.5426

Achromatomaly

22.1608, 23.5328, 28.1852

CSS Examples

Text

The CSS property to change the color of the text to XYZ 22.1617, 23.8302, 33.5686 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(119, 136, 153)` looks like.

```
.text, #text, p{  
    color:rgb(119, 136, 153)  
}
```

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(119, 136, 153) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(119, 136, 153) }
```

Border

The CSS property to change the border of an element to XYZ 22.1617, 23.8302, 33.5686 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(119, 136, 153) }
```


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

```
.border{ border-color:rgb(119, 136, 153) }
```

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

Here you see how a box with a 4 pixel `rgb(119, 136, 153)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(119, 136, 153); -webkit-box-  
shadow:4px 4px 4px 4px rgb(119, 136, 153);  
box-shadow:4px 4px 4px 4px rgb(119, 136,  
153) }
```

Background

The CSS property to change the background color of an element to XYZ 22.1617, 23.8302, 33.5686 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(119, 136, 153) }
```

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

```
.background{ background-color: rgb(119,  
136, 153) }
```

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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