

Converting Colors

XYZ(22.0635, 23.7234, 34.2398)

Have a look what the booklet for
XYZ(22.0635, 23.7234, 34.2398)
contains.

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Color

**XYZ(22.1918, 23.8264,
34.4397)**

Conversions

Conversions Part 1

Format	Color
Hex	76889B
RGB	118, 136, 155
RGB Percent	46%, 53%, 61%
CMY	0.5372, 0.4667, 0.3922
CMYK	0.24, 0.12, 0.00, 0.39
HSL	211°, 16%, 54%
HSV	211°, 24%, 61%
XYZ	22.1918, 23.8264, 34.4397
YIQ	132.7840, -16.8270, 2.0930

Conversions

Conversions Part 2

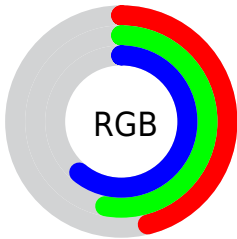
Format	Color
R_{YB}	118, 130, 155
Decimal	7768219
CIE _{Lab}	55.91, -2.09, -12.28
CIE _{LCh}	56, 12.456, 260.352
Yxy	23.8264, 0.2758, 0.2961
Android (android.graphics.Color)	4285958299 (0xFF76889B)
YUV	132.7840, 10.9525, -12.9656
Hunter-Lab	48.8123, -4.2691, -7.6637

Details

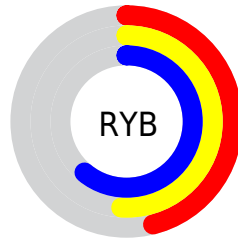
The XYZ color **22.1918, 23.8264, 34.4397** is a dark color, and the websafe version is hex **999999**. A complement of this color would be **25.7336, 26.1682, 20.8349**, and the grayscale version is **22.1822, 23.3374, 25.4145**.

A 20% lighter version of the original color is **46.5008, 49.6566, 67.4554**, and **8.2807, 8.9203, 14.3820** is the 20% darker color. If you saturate the color by 10%, you get **19.1779, 20.6705, 33.9898**, and if you desaturate by 10%, it is **25.6363, 27.3291, 34.9346**.

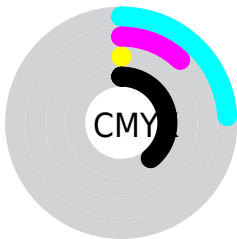
Distribution



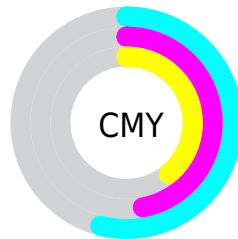
- Red (46%)
- Green (53%)
- Blue (61%)



- Red (46%)
- Yellow (51%)
- Blue (61%)



- Cyan (24%)
- Magenta (12%)
- Yellow (0%)
- Black (39%)



- Cyan (54%)
- Magenta (47%)
- Yellow (39%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 22.1918, 23.8264, 34.4397 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 22.1918, 23.8264, 34.4397 by changing the saturation by 10% instead.

■ 22.1918, 23.8264,
34.4397

■ 22.1918, 23.8264,
34.4397

256.1598,
271.9416, 336.9170

■ 14.1153, 15.2049,
22.9515

■ 46.5393, 49.7468,
67.7585

■ 8.2831, 8.9633,
14.3527

■ 63.5410, 67.8144,
90.4263

■ 4.3300, 4.7173,
8.2249

■ 84.2485, 89.7996,
117.6576

■ 1.8905, 2.0823,
4.1493

109.0271,
116.0866, 149.8711

■ 0.5713, 0.6547,
1.7076

138.2421,
147.0599, 187.4852

■ 0.0000, 0.0000,
0.3659

172.2591,

■ 0.0000, 0.0000,

183.1040, 230.9185

0.0000

211.4432,
224.6031, 280.5896

■ 22.1918, 23.8264,
34.4397

■ 22.1918, 23.8264,
34.4397

■ 19.1779, 20.6705,
33.9898

■ 25.6363, 27.3291,
34.9346

■ 16.5738, 17.8462,
33.5819

■ 29.5267, 31.1872,
35.4743

■ 14.3600, 15.3413,
33.2151

■ 33.8802, 35.4127,
36.0604

■ 12.5145, 13.1415,
32.8878

■ 38.7124, 40.0161,
36.6943

■ 11.0130, 11.2314,
32.5982

■ 44.0381, 45.0073,
37.3770

■ 9.8275, 9.5935,
32.3445

■ 49.8713, 50.3961,
38.1097

■ 8.9253, 8.2076,
32.1246

■ 56.2259, 56.1916,
38.8934

■ 8.4605, 7.4546,
32.0037

■ 63.1146, 62.4027,
39.7292

■ 69.6233, 68.5603,
40.5747

Harmonies

Analogous

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



20.9486, 23.8264, 32.4409



22.1918, 23.8264, 34.4397



23.6091, 23.8264, 33.9857

Triad

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



22.1918, 23.8264, 34.4397



25.3036, 23.8264, 23.3175



20.6085, 23.8264, 21.2669

Complementary

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



22.1918, 23.8264, 34.4397



25.7336, 26.1682, 20.8349

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.



21.7100, 23.8264, 19.2810



22.1918, 23.8264, 34.4397



24.4333, 23.8264, 20.3763

Square

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



22.1918, 23.8264, 34.4397



25.4458, 23.8264, 27.2755



23.1069, 23.8264, 18.9729



20.0600, 23.8264, 24.6544

Rectangle

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



22.1918, 23.8264, 34.4397



24.4603, 23.8264, 32.3693



23.1069, 23.8264, 18.9729



20.9242, 23.8264, 20.4289

Sweetspot

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



22.1925, 23.8274, 34.4402



50.5129, 53.5238, 63.2051



23.6727, 29.0866, 27.8465



11.3479, 12.0304, 14.2944



74.8435, 78.7412, 85.7492



12.6291, 13.2868, 14.4694

Same Dimension

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



22.1925, 23.8274, 34.4402



36.5769, 39.3774, 61.2091



19.8667, 19.1757, 33.6650



6.1201, 6.4975, 7.8606



6.8334, 6.0634, 25.7179



0.1384, 0.1631, 0.3966

Inverse Universe

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



24.4406, 21.7037, 26.1946



41.4293, 35.0913, 43.3440



28.5094, 31.7197, 21.7602



6.3277, 6.2703, 7.1059



11.9079, 6.0174, 6.0401



0.1963, 0.0973, 0.1866

Previews

White Background



This preview shows how the XYZ color 22.1918, 23.8264, 34.4397 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 22.1918, 23.8264, 34.4397 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

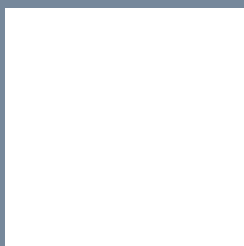
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 22.1918, 23.8264, 34.4397

Background



This preview shows how black text looks on a background with the XYZ color 22.1918, 23.8264, 34.4397.



This preview shows how white text looks on a background with the XYZ color 22.1918, 23.8264,

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

22.1918, 23.8264, 34.4397

Protanopia

23.3432, 23.8208, 33.5045

Deuteranopia

24.2704, 23.8671, 34.7801



Tritanopia

21.6271, 23.8113, 31.4732

Trichromacy



Original Color

22.1918, 23.8264, 34.4397

Protanomaly

22.9620, 23.8189, 33.9591

Deuteranomaly

23.4415, 23.8425, 34.8190

Tritanomaly

21.8677, 23.9076, 32.7402

Monochromacy



Original Color

22.1918, 23.8264, 34.4397

Achromatopsia

22.2940, 23.4551, 25.5426

Achromatomaly

22.2349, 23.5625, 28.5754

CSS Examples

Text

The CSS property to change the color of the text to XYZ 22.1918, 23.8264, 34.4397 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(118, 136, 155)` looks like.

```
.text, #text, p{  
    color:rgb(118, 136, 155)  
}
```

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(118, 136, 155) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(118, 136, 155) }
```

Border

The CSS property to change the border of an element to XYZ 22.1918, 23.8264, 34.4397 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(118, 136, 155) }
```


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

```
.border{ border-color:rgb(118, 136, 155) }
```

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

Here you see how a box with a 4 pixel `rgb(118, 136, 155)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(118, 136, 155); -webkit-box-  
shadow:4px 4px 4px 4px rgb(118, 136, 155);  
box-shadow:4px 4px 4px 4px rgb(118, 136,  
155) }
```

Background

The CSS property to change the background color of an element to XYZ 22.1918, 23.8264, 34.4397 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(118, 136, 155) }
```

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

```
.background{ background-color: rgb(118,  
136, 155) }
```

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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