

Converting Colors

XYZ(21.4180, 23.8187, 30.2037)

Have a look what the booklet for
XYZ(21.4180, 23.8187, 30.2037)
contains.

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Color

**XYZ(21.3926, 23.7176,
30.2385)**

Conversions

Conversions Part 1

Format	Color
Hex	758991
RGB	117, 137, 145
RGB Percent	46%, 54%, 57%
CMY	0.5412, 0.4627, 0.4314
CMYK	0.19, 0.06, 0.00, 0.43
HSL	197°, 11%, 51%
HSV	197°, 19%, 57%
XYZ	21.3926, 23.7176, 30.2385
YIQ	131.9320, -14.4880, -1.7520

Conversions

Conversions Part 2

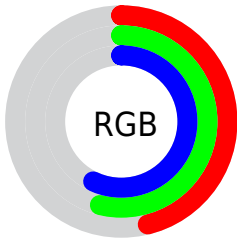
Format	Color
R_{YB}	117, 129, 145
Decimal	7702929
CIE _{Lab}	55.80, -5.36, -6.69
CIE _{LCh}	56, 8.567, 231.301
Yxy	23.7176, 0.2839, 0.3148
Android (android.graphics.Color)	4285893009 (0xFF758991)
YUV	131.9320, 6.4425, -13.0954
Hunter-Lab	48.7007, -6.8172, -2.7229

Details

The XYZ color **21.3926, 23.7176, 30.2385** is a dark color, and the websafe version is hex **999999**. A complement of this color would be **22.2217, 21.9712, 19.8997**, and the grayscale version is **21.8895, 23.0294, 25.0790**.

A 20% lighter version of the original color is **45.0844, 49.3854, 61.1890**, and **7.8576, 8.8716, 12.1247** is the 20% darker color. If you saturate the color by 10%, you get **19.0159, 21.6356, 29.9623**, and if you desaturate by 10%, it is **24.0951, 26.0023, 30.5374**.

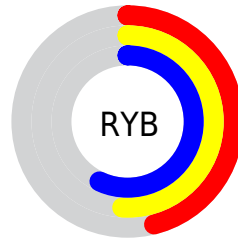
Distribution



Red (46%)

Green (54%)

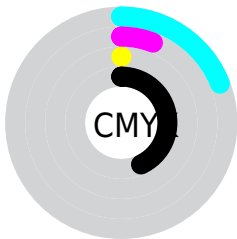
Blue (57%)



Red (46%)

Yellow (51%)

Blue (57%)

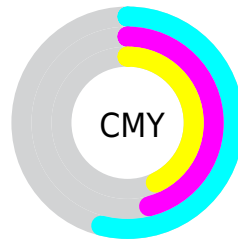


Cyan (19%)

Magenta (6%)

Yellow (0%)

Black (43%)



Cyan (54%)

Magenta (46%)

Yellow (43%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.3926, 23.7176, 30.2385 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 21.3926, 23.7176, 30.2385 by changing the saturation by 10% instead.

■ 21.3926, 23.7176,
30.2385

■ 21.3926, 23.7176,
30.2385

252.0501,
271.3896, 317.2564

■ 13.5254, 15.1243,
19.7661

■ 45.2264, 49.5690,
61.1046

■ 7.8708, 8.9066,
12.0427

■ 61.9237, 67.5958,
82.3354

■ 4.0635, 4.6803,
6.6499

■ 82.2950, 89.5359,
107.9894

■ 1.7381, 2.0610,
3.1690

106.7058,
115.7737, 138.4851

■ 0.4799, 0.6425,
1.1816

135.5213,
146.6936, 174.2412

■ 0.0000, 0.0000,
0.0000

169.1069,

182.6799, 215.6760

207.8281,
224.1172, 263.2083

■ 21.3926, 23.7176,
30.2385

■ 21.3926, 23.7176,
30.2385

■ 19.0159, 21.6356,
29.9623

■ 24.0951, 26.0023,
30.5374

■ 16.9489, 19.7459,
29.7065

■ 27.1345, 28.4940,
30.8582

■ 15.1770, 18.0410,
29.4708

■ 30.5240, 31.2005,
31.2019

■ 13.6836, 16.5123,
29.2544

■ 34.2753, 34.1281,
31.5693

■ 12.4506, 15.1497,
29.0564

■ 38.3997, 37.2831,
31.9609

■ 11.4574, 13.9424,
28.8757

■ 42.9078, 40.6712,
32.3773

■ 10.6799, 12.8776,
28.7112

■ 47.8101, 44.2981,
32.8190

■ 10.0606, 11.9251,
28.5600

■ 53.1163, 48.1693,
33.2865

■ 10.0194, 11.8613,
28.5498

■ 58.8360, 52.2900,
33.7804

Harmonies

Analogous

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



20.8434, 23.7176, 27.8213



21.3926, 23.7176, 30.2385



22.2609, 23.7176, 31.4947

Triad

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



21.3926, 23.7176, 30.2385



24.4444, 23.7176, 26.6438



21.8697, 23.7176, 21.1447

Complementary

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



21.3926, 23.7176, 30.2385



22.2217, 21.9712, 19.8997

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.



22.8272, 23.7176, 20.8792



21.3926, 23.7176, 30.2385



24.3323, 23.7176, 23.9255

Square

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



21.3926, 23.7176, 30.2385



24.0356, 23.7176, 29.3235



23.7336, 23.7176, 21.8623



21.1133, 23.7176, 22.6154

Rectangle

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



21.3926, 23.7176, 30.2385



22.9117, 23.7176, 31.4464



23.7336, 23.7176, 21.8623



22.1780, 23.7176, 20.9159

Sweetspot

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



21.3933, 23.7186, 30.2390



44.8171, 47.9459, 54.8659



21.1593, 25.5121, 23.1892



9.9040, 10.6116, 12.1985



69.3244, 72.9347, 79.4259



10.7221, 11.2805, 12.2844

Same Dimension

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



21.3933, 23.7186, 30.2390



36.4674, 40.8777, 53.9417



19.5386, 20.0091, 29.6208



5.4319, 5.8596, 6.8735



8.6166, 10.2192, 24.4954



0.1012, 0.1354, 0.2405

Inverse Universe

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



22.5542, 20.5489, 26.4457



38.9496, 34.2694, 45.7935



24.1113, 25.7504, 20.5295



5.5615, 5.4851, 6.4547



12.1524, 6.0180, 11.7197



0.1257, 0.0613, 0.1621

Previews

White Background



This preview shows how the XYZ color 21.3926, 23.7176, 30.2385 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 21.3926, 23.7176, 30.2385 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

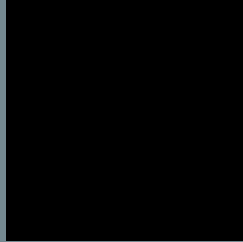
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

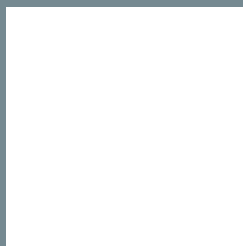
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 21.3926, 23.7176, 30.2385

Background



This preview shows how black text looks on a background with the XYZ color 21.3926, 23.7176, 30.2385.



This preview shows how white text looks on a background with the XYZ color 21.3926, 23.7176,

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

21.3926, 23.7176, 30.2385

Protanopia

22.9429, 23.7146, 28.9593

Deuteranopia

23.9862, 23.6160, 30.4883



Tritanopia

21.5482, 23.7798, 31.0580

Trichromacy



Original Color

21.3926, 23.7176, 30.2385

Protanomaly

22.2354, 23.5454, 29.3594

Deuteranomaly

23.0916, 23.7559, 30.5624

Tritanomaly

21.4701, 23.7486, 30.6465

Monochromacy



Original Color

21.3926, 23.7176, 30.2385

Achromatopsia

21.9318, 23.0740, 25.1276

Achromatomaly

21.7929, 23.3684, 27.0288

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.3926, 23.7176, 30.2385 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(117, 137, 145)` looks like.

```
.text, #text, p{  
    color:rgb(117, 137, 145)  
}
```

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(117, 137, 145) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(117, 137, 145) }
```

Border

The CSS property to change the border of an element to XYZ 21.3926, 23.7176, 30.2385 is called "border". The border property can be set on classes, ids or directly on the HTML element.

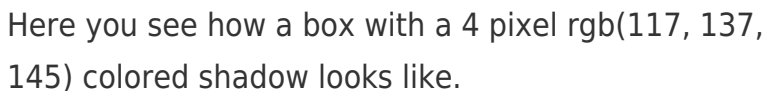
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(117, 137, 145) }
```


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

```
.border{ border-color:rgb(117, 137, 145) }
```

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



Here you see how a box with a 4 pixel `rgb(117, 137, 145)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(117, 137, 145); -webkit-box-shadow:4px 4px 4px 4px rgb(117, 137, 145); box-shadow:4px 4px 4px 4px rgb(117, 137, 145) }
```

Background

The CSS property to change the background color of an element to XYZ 21.3926, 23.7176, 30.2385 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(117, 137, 145) }
```

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

```
.background{ background-color: rgb(117,  
137, 145) }
```

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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