

Converting Colors

XYZ(21.0949, 23.7826, 28.7466)

Have a look what the booklet for
XYZ(21.0949, 23.7826, 28.7466)
contains.

XYZ(21.0987, 23.8130, 28.6837)	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(21.0987, 23.8130,
28.6837)**

Conversions

Conversions Part 1

Format	Color
Hex	748A8D
RGB	116, 138, 141
RGB Percent	45%, 54%, 55%
CMY	0.5451, 0.4588, 0.4471
CMYK	0.18, 0.02, 0.00, 0.45
HSL	187°, 10%, 50%
HSV	187°, 18%, 55%
XYZ	21.0987, 23.8130, 28.6837
YIQ	131.7640, -14.0750, -3.7310

Conversions

Conversions Part 2

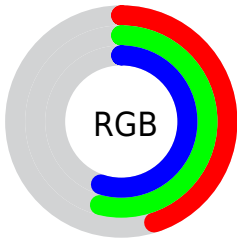
Format	Color
R_{YB}	116, 128, 141
Decimal	7637645
CIE _{Lab}	55.90, -7.17, -4.24
CIE _{LCh}	56, 8.332, 210.624
Yxy	23.8130, 0.2867, 0.3236
Android (android.graphics.Color)	4285827725 (0xFF748A8D)
YUV	131.7640, 4.5533, -13.8250
Hunter-Lab	48.7986, -8.2207, -0.6915

Details

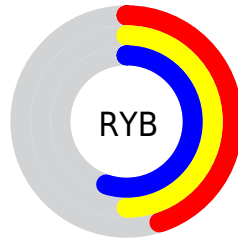
The XYZ color **21.0987, 23.8130, 28.6837** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **20.7341, 20.1176, 19.3139**, and the grayscale version is **21.8355, 22.9726, 25.0172**.

A 20% lighter version of the original color is **44.6296, 49.5266, 58.8371**, and **7.6928, 8.9281, 11.2154** is the 20% darker color. If you saturate the color by 10%, you get **19.1243, 22.4383, 28.5228**, and if you desaturate by 10%, it is **23.3628, 25.3439, 28.8602**.

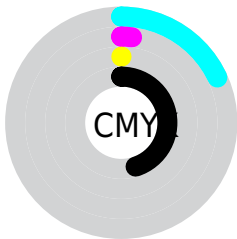
Distribution



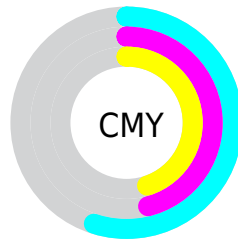
- Red (45%)
- Green (54%)
- Blue (55%)



- Red (45%)
- Yellow (50%)
- Blue (55%)



- Cyan (18%)
- Magenta (2%)
- Yellow (0%)
- Black (45%)



- Cyan (55%)
- Magenta (46%)
- Yellow (45%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.0987, 23.8130, 28.6837 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 21.0987, 23.8130, 28.6837 by changing the saturation by 10% instead.

■ 21.0987, 23.8130,
28.6837

■ 21.0987, 23.8130,
28.6837

250.5244,
271.8737, 309.7337

■ 13.3090, 15.1950,
18.5982

■ 44.7418, 49.7249,
58.6103

■ 7.7202, 8.9563,
11.2064

■ 61.3259, 67.7875,
79.2885

■ 3.9667, 4.7127,
6.0899

■ 81.5722, 89.7671,
104.3347

■ 1.6833, 2.0797,
2.8302

105.8461,
116.0481, 134.1673

■ 0.4458, 0.6532,
1.0086

134.5129,
147.0148, 169.2050

■ 0.0000, 0.0000,
0.0000

167.9380,

183.0518, 209.8663

206.4867,
224.5433, 256.5697

■ 21.0987, 23.8130,
28.6837

■ 21.0987, 23.8130,
28.6837

■ 19.1243, 22.4383,
28.5228

■ 23.3628, 25.3439,
28.8602

■ 17.4246, 21.2103,
28.3754

■ 25.9265, 27.0342,
29.0514

■ 15.9867, 20.1228,
28.2412

■ 28.8018, 28.8908,
29.2582

■ 14.7956, 19.1680,
28.1197

■ 31.9995, 30.9192,
29.4812

■ 13.8346, 18.3374,
28.0100

■ 35.5296, 33.1248,
29.7208

■ 13.0854, 17.6213,
27.9113

■ 39.4020, 35.5125,
29.9776

■ 12.5263, 17.0088,
27.8226

■ 43.6260, 38.0873,
30.2520

■ 12.1149, 16.4779,
27.7418

■ 48.2105, 40.8537,
30.5443

■ 12.0266, 16.3607,
27.7238

■ 53.1644, 43.8163,
30.8551

Harmonies

Analogous

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



20.8568, 23.8130, 25.9852



21.0987, 23.8130, 28.6837



21.7498, 23.8130, 30.7562

Triad

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



21.0987, 23.8130, 28.6837



24.2619, 23.8130, 28.5784



22.6137, 23.8130, 21.0440

Complementary

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



21.0987, 23.8130, 28.6837



20.7341, 20.1176, 19.3139

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.



23.5409, 23.8130, 21.6341



21.0987, 23.8130, 28.6837



24.5084, 23.8130, 25.8715

Square

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



21.0987, 23.8130, 28.6837



23.5762, 23.8130, 30.6925



24.2411, 23.8130, 23.3553



21.7163, 23.8130, 21.6845

Rectangle

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



21.0987, 23.8130, 28.6837



22.3374, 23.8130, 31.4362



24.2411, 23.8130, 23.3553



22.9323, 23.8130, 21.1046

Sweetspot

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



21.0994, 23.8140, 28.6842



42.9894, 46.1516, 51.7702



20.0527, 24.0932, 21.0207



9.5407, 10.2676, 11.5584



67.5393, 71.0566, 77.3807



10.1266, 10.6539, 11.6021

Same Dimension

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



21.0994, 23.8140, 28.6842



36.4098, 41.6980, 51.2574



19.4184, 20.4521, 28.1239



5.5058, 6.0075, 6.8981



10.9734, 14.9328, 25.2810



0.1150, 0.1629, 0.2451

Inverse Universe

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



21.8180, 19.9891, 26.7541



37.9378, 33.6589, 47.1321



22.3098, 23.2690, 19.8391



5.5988, 5.5000, 6.6513



13.3420, 6.4938, 17.9840



0.1326, 0.0641, 0.1987

Previews

White Background



This preview shows how the XYZ color 21.0987, 23.8130, 28.6837 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 21.0987, 23.8130, 28.6837 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

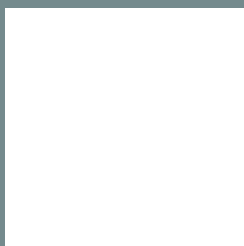
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 21.0987, 23.8130, 28.6837

Background



This preview shows how black text looks on a background with the XYZ color 21.0987, 23.8130, 28.6837.



This preview shows how white text looks on a background with the XYZ color 21.0987, 23.8130,

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

21.0987, 23.8130, 28.6837

Protanopia

22.9666, 23.7609, 27.4206

Deuteranopia

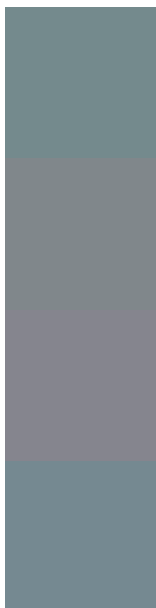
24.2682, 23.7881, 29.2991



Tritanopia

21.6271, 23.8113, 31.4732

Trichromacy



Original Color

21.0987, 23.8130, 28.6837

Protanomaly

22.2263, 23.7812, 27.8449

Deuteranomaly

22.9429, 23.7146, 28.9593

Tritanomaly

21.3926, 23.7176, 30.2385

Monochromacy



Original Color

21.0987, 23.8130, 28.6837

Achromatopsia

21.9318, 23.0740, 25.1276

Achromatomaly

21.5025, 23.2351, 26.2732

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.0987, 23.8130, 28.6837 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(116, 138, 141)` looks like.

```
.text, #text, p{  
    color:rgb(116, 138, 141)  
}
```

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(116, 138, 141) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(116, 138, 141) }
```

Border

The CSS property to change the border of an element to XYZ 21.0987, 23.8130, 28.6837 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(116, 138, 141) }
```


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

```
.border{ border-color:rgb(116, 138, 141) }
```

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

Here you see how a box with a 4 pixel `rgb(116, 138, 141)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(116, 138, 141); -webkit-box-  
shadow:4px 4px 4px 4px rgb(116, 138, 141);  
box-shadow:4px 4px 4px 4px rgb(116, 138,  
141) }
```

Background

The CSS property to change the background color of an element to XYZ 21.0987, 23.8130, 28.6837 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(116, 138, 141) }
```

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

```
.background{ background-color: rgb(116,  
138, 141) }
```

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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