

Converting Colors

XYZ(8.6122, 10.2385, 22.4799)

Have a look what the booklet for
XYZ(8.6122, 10.2385, 22.4799)
contains.

XYZ(8.6130, 10.1841, 22.6309)	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(8.6130, 10.1841,
22.6309)**

Conversions

Conversions Part 1

Format	Color
Hex	196082
RGB	25, 96, 130
RGB Percent	10%, 38%, 51%
CMY	0.9019, 0.6235, 0.4902
CMYK	0.81, 0.26, 0.00, 0.49
HSL	199°, 68%, 30%
HSV	199°, 81%, 51%
XYZ	8.6130, 10.1841, 22.6309
YIQ	78.6470, -53.2300, -4.4780

Conversions

Conversions Part 2

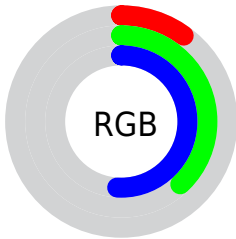
Format	Color
R_{YB}	25, 67, 130
Decimal	1663106
CIE _{Lab}	38.17, -8.91, -25.07
CIE _{LCh}	38, 26.610, 250.431
Yxy	10.1841, 0.2079, 0.2458
Android (android.graphics.Color)	4279853186 (0xFF196082)
YUV	78.6470, 25.3170, -47.0484
Hunter-Lab	31.9125, -7.6709, -19.7070

Details

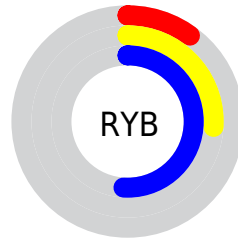
The XYZ color **8.6130, 10.1841, 22.6309** is a dark color, and the websafe version is hex **006699**. A complement of this color would be **10.9458, 7.9447, 1.8766**, and the grayscale version is **7.3253, 7.7068, 8.3927**.

A 20% lighter version of the original color is **22.7566, 26.0029, 48.6194**, and **2.5886, 2.8604, 8.0051** is the 20% darker color. If you saturate the color by 10%, you get **7.9901, 9.3082, 22.4949**, and if you desaturate by 10%, it is **9.4063, 11.1788, 22.7813**.

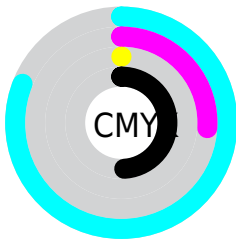
Distribution



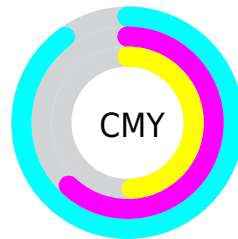
- Red (10%)
- Green (38%)
- Blue (51%)



- Red (10%)
- Yellow (26%)
- Blue (51%)



- Cyan (81%)
- Magenta (26%)
- Yellow (0%)
- Black (49%)



- Cyan (90%)
- Magenta (62%)
- Yellow (49%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 8.6130, 10.1841, 22.6309 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 8.6130, 10.1841, 22.6309 by changing the saturation by 10% instead.

■ 8.6130, 10.1841,
22.6309

■ 8.6130, 10.1841,
22.6309

■ 174.7330,
191.9810, 278.8837

■ 4.5447, 5.5212,
14.1185

■ 22.8258, 26.1412,
48.7020

■ 2.0147, 2.5562,
8.0634

■ 33.7010, 38.2042,
67.0978

■ 0.6422, 0.9047,
4.0472

■ 47.5759, 53.5027,
89.6252

■ 0.0000, 0.0000,
1.6513

■ 64.8158, 72.4210,
116.7026

■ 0.0000, 0.0000,
0.3270

■ 85.7861, 95.3436,
148.7486

■ 0.0000, 0.0000,
0.0000

■ 110.8522,

122.6549, 186.1817

140.3793,
154.7392, 229.4206

■ 8.6130, 10.1841,
22.6309

■ 8.6130, 10.1841,
22.6309

■ 7.9901, 9.3082,
22.4949

■ 9.4063, 11.1788,
22.7813

■ 7.5111, 8.5753,
22.3787

■ 10.3877, 12.3012,
22.9462

■ 11.5734, 13.5605,
23.1268

■ 12.9777, 14.9644,
23.3238

■ 14.6135, 16.5199,
23.5378

■ 16.4926, 18.2336,
23.7695

■ 18.6259, 20.1116,
24.0196

■ 21.0237, 22.1594,
24.2885

■ 23.6956, 24.3826,
24.5768

Harmonies

Analogous

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



7.3728, 10.1841, 18.4410



8.6130, 10.1841, 22.6309



10.2913, 10.1841, 23.2656

Triad

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



8.6130, 10.1841, 22.6309



13.3128, 10.1841, 9.4598



7.6882, 10.1841, 5.3258

Complementary

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



8.6130, 10.1841, 22.6309



10.9458, 7.9447, 1.8766

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.



9.0928, 10.1841, 4.1354



8.6130, 10.1841, 22.6309



12.4236, 10.1841, 6.0079

Square

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



8.6130, 10.1841, 22.6309



13.1447, 10.1841, 14.5759



10.8310, 10.1841, 4.3413



6.8843, 10.1841, 8.2075

Rectangle

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



8.6130, 10.1841, 22.6309



11.4545, 10.1841, 21.4328



10.8310, 10.1841, 4.3413



8.0984, 10.1841, 4.7598

Sweetspot

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



8.6134, 10.1844, 22.6312



27.7421, 30.9364, 41.7017



9.1540, 16.4803, 6.7356



6.0558, 6.7983, 9.4114



62.3462, 65.5931, 71.4309



8.4577, 8.8982, 9.6901

Same Dimension

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



8.6134, 10.1844, 22.6312



13.3396, 15.2320, 39.4295



5.3406, 3.6389, 21.5402



4.3327, 4.6594, 5.4843



7.2082, 8.2350, 21.4595



0.0000, 0.0000, 0.0000

Inverse Universe

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



11.6652, 6.2860, 11.6651



19.3868, 9.7153, 17.2048



15.0390, 16.1309, 3.2410



4.4408, 4.3895, 5.1255



10.5154, 5.2258, 9.3035



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the XYZ color 8.6130, 10.1841, 22.6309 looks on a white 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

Black Background



This preview shows how the XYZ color 8.6130, 10.1841, 22.6309 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

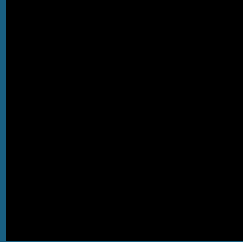
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 8.6130, 10.1841, 22.6309

Background



This preview shows how black text looks on a background with the XYZ color 8.6130, 10.1841, 22.6309.

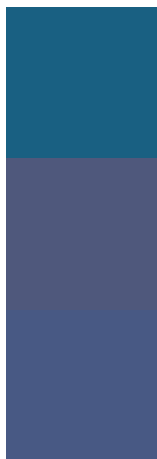


This preview shows how white text looks on a background with the XYZ color 8.6130, 10.1841,

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

8.6130, 10.1841, 22.6309

Protanopia

10.3523, 10.0969, 20.4721

Deuteranopia

10.4097, 10.1884, 23.2477



Tritanopia

7.2110, 10.1759, 15.4940

Trichromacy



Original Color

8.6130, 10.1841, 22.6309

Protanomaly

9.3106, 9.9183, 21.1624

Deuteranomaly

9.4994, 10.1052, 22.9226

Tritanomaly

7.6690, 10.2196, 17.7880

Monochromacy



Original Color

8.6130, 10.1841, 22.6309

Achromatopsia

7.4317, 7.8187, 8.5146

Achromatomaly

7.2567, 8.3086, 12.7765

CSS Examples

Text

The CSS property to change the color of the text to XYZ 8.6130, 10.1841, 22.6309 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(25, 96, 130) looks like.

```
.text, #text, p{  
    color:rgb(25, 96, 130)  
}
```

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(25, 96, 130) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(25, 96, 130) }
```

Border

The CSS property to change the border of an element to XYZ 8.6130, 10.1841, 22.6309 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(25, 96, 130) }
```


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

```
.border{ border-color:rgb(25, 96, 130) }
```

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

Here you see how a box with a 4 pixel rgb(25, 96, 130) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(25, 96, 130); -webkit-box-  
shadow:4px 4px 4px 4px rgb(25, 96, 130);  
box-shadow:4px 4px 4px 4px rgb(25, 96,  
130) }
```

Background

The CSS property to change the background color of an element to XYZ 8.6130, 10.1841, 22.6309 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(25, 96, 130) }
```

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

```
.background{ background-color: rgb(25, 96,  
130) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor