

Converting Colors

XYZ(21.8018, 22.6283, 14.2850)

Have a look what the booklet for
XYZ(21.8018, 22.6283, 14.2850)
contains.

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Color

**XYZ(21.8156, 22.6560,
14.2896)**

Conversions

Conversions Part 1

Format	Color
Hex	928160
RGB	146, 129, 96
RGB Percent	57%, 51%, 38%
CMY	0.4275, 0.4941, 0.6235
CMYK	0.00, 0.12, 0.34, 0.43
HSL	40°, 21%, 47%
HSV	40°, 34%, 57%
XYZ	21.8156, 22.6560, 14.2896
YIQ	130.3210, 20.7250, -6.6590

Conversions

Conversions Part 2

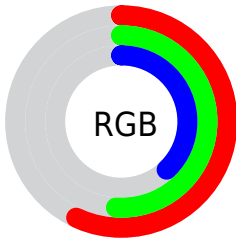
Format	Color
RYB	122, 146, 96
Decimal	9601376
CIELab	54.72, 1.32, 20.29
CIElCh	55, 20.331, 86.267
Yxy	22.6560, 0.3713, 0.3856
Android (android.graphics.Color)	4287791456 (0xFF928160)
YUV	130.3210, -16.9203, 13.7505
Hunter-Lab	47.5983, -1.4857, 15.5192

Details

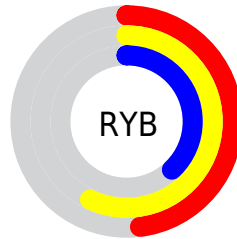
The XYZ color **21.8156, 22.6560, 14.2896** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **15.9172, 16.3719, 29.5152**, and the grayscale version is **21.3852, 22.4989, 24.5013**.

A 20% lighter version of the original color is **46.0818, 47.9800, 34.4361**, and **8.0391, 8.3388, 4.0916** is the 20% darker color. If you saturate the color by 10%, you get **20.5671, 21.1366, 10.8595**, and if you desaturate by 10%, it is **23.2219, 24.2909, 18.3888**.

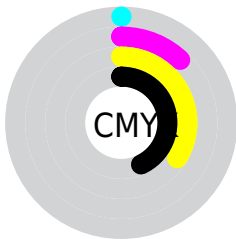
Distribution



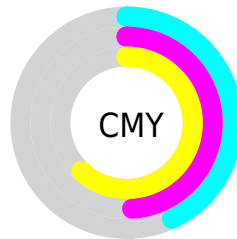
- Red (57%)
- Green (51%)
- Blue (38%)



- Red (48%)
- Yellow (57%)
- Blue (38%)



- Cyan (0%)
- Magenta (12%)
- Yellow (34%)
- Black (43%)



- Cyan (43%)
- Magenta (49%)
- Yellow (62%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.8156, 22.6560, 14.2896 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 21.8156, 22.6560, 14.2896 by changing the saturation by 10% instead.

■ 21.8156, 22.6560,
14.2896

■ 21.8156, 22.6560,
14.2896

254.2323,
265.9532, 230.5158

■ 13.8373, 14.3397,
8.1813

■ 45.9222, 47.8279,
34.3265

■ 8.0885, 8.3573,
4.1218

■ 62.7811, 65.4522,
49.0922

■ 4.2039, 4.3244,
1.6924

■ 83.3311, 86.9480,
67.5808

■ 1.8181, 1.8566,
0.3555

■ 107.9373,
112.6998, 90.2108

■ 0.5286, 0.5221,
0.0000

136.9652,
143.0917, 117.4007

■ 0.0000, 0.0000,
0.0000

170.7801,

178.5084, 149.5692

209.7473,
219.3340, 187.1347

■ 21.8156, 22.6560,
14.2896

■ 21.8156, 22.6560,
14.2896

■ 20.5671, 21.1366,
10.8595

■ 23.2219, 24.2909,
18.3888

■ 19.4673, 19.7260,
8.0605

■ 24.7910, 26.0417,
23.1895

■ 18.5087, 18.4213,
5.8528

■ 26.5301, 27.9126,
28.7236

■ 17.6823, 17.2180,
4.1916

■ 28.4449, 29.9068,
35.0208

■ 16.9780, 16.1115,
3.0257

■ 30.5413, 32.0270,
42.1089

■ 16.3833, 15.0959,
2.2916

■ 32.8247, 34.2763,
50.0145

■ 16.0707, 14.5444,
1.9603

■ 35.3002, 36.6572,
58.7629

■ 37.9727, 39.1723,
68.3783

■ 40.8472, 41.8243,
78.8838

Harmonies

Analogous

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



24.0164, 22.6560, 15.7631



21.8156, 22.6560, 14.2896



19.6826, 22.6560, 15.1746

Triad

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



21.8156, 22.6560, 14.2896



17.8963, 22.6560, 30.5429



25.3198, 22.6560, 32.1757

Complementary

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



21.8156, 22.6560, 14.2896



15.9172, 16.3719, 29.5152

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.



23.4977, 22.6560, 37.4720



21.8156, 22.6560, 14.2896



19.2285, 22.6560, 36.4204

Square

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



21.8156, 22.6560, 14.2896



17.5139, 22.6560, 23.8738



21.2545, 22.6560, 39.1456



26.1262, 22.6560, 25.4807

Rectangle

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



21.8156, 22.6560, 14.2896



18.5680, 22.6560, 17.0832



21.2545, 22.6560, 39.1456



24.7998, 22.6560, 34.2207

Sweetspot

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



21.8162, 22.6570, 14.2901



44.9380, 47.2493, 44.6975



19.0460, 15.6805, 17.7938



9.9131, 10.4204, 9.6781



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.



21.8162, 22.6570, 14.2901



36.7905, 37.9175, 20.5150



22.9544, 26.8483, 15.0391



6.1011, 6.4160, 6.1573



14.1635, 12.8413, 1.7321



0.2008, 0.2120, 0.0303

Inverse Universe

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



15.9172, 16.3719, 29.5152



24.7861, 25.1339, 51.5185



15.0225, 13.3546, 28.9800



5.6510, 5.9361, 7.3177



5.5746, 3.8441, 24.3792



0.0935, 0.0976, 0.3068

Previews

White Background



This preview shows how the XYZ color 21.8156, 22.6560, 14.2896 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 21.8156, 22.6560, 14.2896 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 21.8156, 22.6560, 14.2896

Background



This preview shows how black text looks on a background with the XYZ color 21.8156, 22.6560, 14.2896.



This preview shows how white text looks on a background with the XYZ color 21.8156, 22.6560,

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

21.8156, 22.6560, 14.2896

Protanopia

21.2585, 22.7584, 14.5816

Deuteranopia

23.1361, 22.7533, 14.4817



Tritanopia

24.0884, 22.6206, 25.6509

Trichromacy



Original Color

21.8156, 22.6560, 14.2896

Protanomaly

21.4680, 22.6680, 14.5531

Deuteranomaly

22.6959, 22.7172, 14.4979

Tritanomaly

23.2454, 22.6673, 20.9194

Monochromacy



Original Color

21.8156, 22.6560, 14.2896

Achromatopsia

21.2178, 22.3228, 24.3095

Achromatomaly

21.4060, 22.5075, 20.3557

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.8156, 22.6560, 14.2896 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(146, 129, 96)` looks like.

```
.text, #text, p{  
    color:rgb(146, 129, 96)  
}
```

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(146, 129, 96) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(146, 129, 96) }
```

Border

The CSS property to change the border of an element to XYZ 21.8156, 22.6560, 14.2896 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(146, 129, 96) }
```


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

```
.border{ border-color:rgb(146, 129, 96) }
```

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

Here you see how a box with a 4 pixel `rgb(146, 129, 96)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(146, 129, 96); -webkit-box-  
shadow:4px 4px 4px 4px rgb(146, 129, 96);  
box-shadow:4px 4px 4px 4px rgb(146, 129,  
96) }
```

Background

The CSS property to change the background color of an element to XYZ 21.8156, 22.6560, 14.2896 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(146, 129, 96) }
```

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

```
.background{ background-color: rgb(146,  
129, 96) }
```

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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