

Converting Colors

XYZ(15.9056, 22.9021, 21.0162)

Have a look what the booklet for
XYZ(15.9056, 22.9021, 21.0162)
contains.

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Color

**XYZ(15.8391, 22.8117,
21.0210)**

Conversions

Conversions Part 1

Format	Color
Hex	449177
RGB	68, 145, 119
RGB Percent	27%, 57%, 47%
CMY	0.7333, 0.4314, 0.5333
CMYK	0.53, 0.00, 0.18, 0.43
HSL	160°, 36%, 42%
HSV	160°, 53%, 57%
XYZ	15.8391, 22.8117, 21.0210
YIQ	119.0130, -37.5460, -24.4100

Conversions

Conversions Part 2

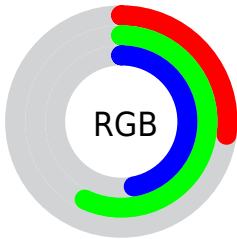
Format	Color
R_{YB}	68, 114, 145
Decimal	4493687
CIE _{Lab}	54.88, -30.36, 6.61
CIE _{LCh}	55, 31.071, 167.715
Yxy	22.8117, 0.2654, 0.3823
Android (android.graphics.Color)	4282683767 (0xFF449177)
YUV	119.0130, -0.0064, -44.7384
Hunter-Lab	47.7616, -24.3871, 7.3382

Details

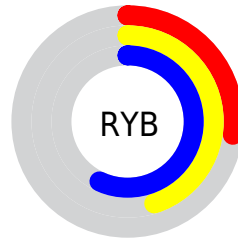
The XYZ color **15.8391, 22.8117, 21.0210** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **15.7654, 10.9628, 11.8758**, and the grayscale version is **17.5478, 18.4616, 20.1047**.

A 20% lighter version of the original color is **35.8001, 47.9247, 45.8916**, and **5.1526, 8.4668, 7.3239** is the 20% darker color. If you saturate the color by 10%, you get **14.6638, 22.2395, 19.4706**, and if you desaturate by 10%, it is **17.2810, 23.5208, 22.6640**.

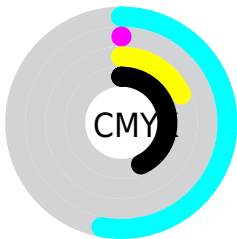
Distribution



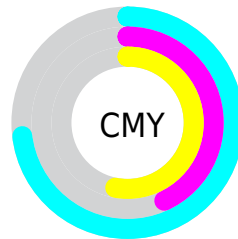
- Red (27%)
- Green (57%)
- Blue (47%)



- Red (27%)
- Yellow (45%)
- Blue (57%)



- Cyan (53%)
- Magenta (0%)
- Yellow (18%)
- Black (43%)



- Cyan (73%)
- Magenta (43%)
- Yellow (53%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 15.8391, 22.8117, 21.0210 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 15.8391, 22.8117, 21.0210 by changing the saturation by 10% instead.

■ 15.8391, 22.8117,
21.0210

■ 15.8391, 22.8117,
21.0210

221.6795,
266.7564, 270.1748

■ 9.5005, 14.4545,
12.9480

■ 35.8784, 48.0840,
46.0037

■ 5.1288, 8.4375,
7.2624

■ 50.3097, 65.7678,
63.7505

■ 2.3585, 4.3761,
3.5458

■ 68.1694, 87.3294,
85.5589

■ 0.8244, 1.8861,
1.3796

■ 89.8227, 113.1530,
111.8475

■ 0.0000, 0.5400,
0.1258

■ 115.6350,
143.6232, 143.0349

■ 0.0000, 0.0000,
0.0000

145.9717,

179.1242, 179.5395

181.1980,
220.0404, 221.7800

■ 15.8391, 22.8117,
21.0210

■ 15.8391, 22.8117,
21.0210

■ 14.6638, 22.2395,
19.4706

■ 17.2810, 23.5208,
22.6640

■ 13.7341, 21.7916,
18.0091

■ 19.0047, 24.3727,
24.3999

■ 13.0291, 21.4579,
16.6349

■ 21.0264, 25.3765,
26.2312

■ 12.5230, 21.2250,
15.3455

■ 23.3606, 26.5396,
28.1596

■ 12.2389, 21.0969,
14.5025

■ 26.0208, 27.8688,
30.1869

■ 29.0196, 29.3708,
32.3146

■ 32.3691, 31.0516,
34.5444

■ 36.0806, 32.9172,
36.8779

■ 40.1650, 34.9730,
39.3166

Harmonies

Analogous

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



17.1468, 22.8117, 14.1473



15.8391, 22.8117, 21.0210



15.9710, 22.8117, 31.0603

Triad

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



15.8391, 22.8117, 21.0210



23.7577, 22.8117, 47.6093



26.4442, 22.8117, 13.2931

Complementary

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



15.8391, 22.8117, 21.0210



15.7654, 10.9628, 11.8758

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.



28.6136, 22.8117, 19.5078



15.8391, 22.8117, 21.0210



26.9533, 22.8117, 39.8901

Square

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



15.8391, 22.8117, 21.0210



20.3045, 22.8117, 48.3297



28.8092, 22.8117, 29.0913



23.1201, 22.8117, 10.5444

Rectangle

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



15.8391, 22.8117, 21.0210



16.8585, 22.8117, 38.3238



28.8092, 22.8117, 29.0913



27.3473, 22.8117, 14.9576

Sweetspot

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



15.8397, 22.8126, 21.0215



40.4205, 46.8216, 49.2927



15.8837, 23.0994, 9.0907



8.8219, 10.3312, 10.8262



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.



15.8397, 22.8126, 21.0215



25.8511, 39.6283, 34.2697



15.9448, 20.1727, 29.8425



5.4839, 6.0858, 6.5141



10.5097, 18.0997, 12.5040



0.1108, 0.1772, 0.1739

Inverse Universe

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



15.7654, 10.9628, 11.8758



25.7198, 16.0045, 16.1208



15.5570, 12.1094, 6.9866



5.4793, 5.4523, 6.0222



10.5019, 5.3578, 3.0281



0.1099, 0.0550, 0.0790

Previews

White Background



This preview shows how the XYZ color 15.8391, 22.8117, 21.0210 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 15.8391, 22.8117, 21.0210 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

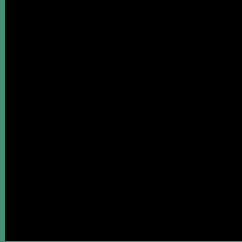
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 15.8391, 22.8117, 21.0210

Background



This preview shows how black text looks on a background with the XYZ color 15.8391, 22.8117, 21.0210.

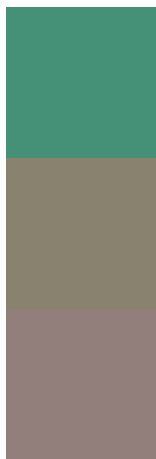


This preview shows how white text looks on a background with the XYZ color 15.8391, 22.8117,

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

15.8391, 22.8117, 21.0210

Protanopia

21.1684, 22.4313, 18.2529

Deuteranopia

22.8901, 22.4628, 21.8682



Tritanopia

18.1875, 22.6429, 33.1177

Trichromacy



Original Color

15.8391, 22.8117, 21.0210

Protanomaly

18.3833, 21.9876, 19.1947

Deuteranomaly

19.3716, 22.0318, 21.6439

Tritanomaly

17.2307, 22.6953, 28.2834

Monochromacy



Original Color

15.8391, 22.8117, 21.0210

Achromatopsia

17.5343, 18.4475, 20.0893

Achromatomaly

16.3045, 19.4796, 20.3534

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.8391, 22.8117, 21.0210 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(68, 145, 119)` looks like.

```
.text, #text, p{  
    color:rgb(68, 145, 119)  
}
```

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(68, 145, 119) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(68, 145, 119) }
```

Border

The CSS property to change the border of an element to XYZ 15.8391, 22.8117, 21.0210 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(68, 145, 119) }
```


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

```
.border{ border-color:rgb(68, 145, 119) }
```

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

Here you see how a box with a 4 pixel `rgb(68, 145, 119)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(68, 145, 119); -webkit-box-  
shadow:4px 4px 4px 4px rgb(68, 145, 119);  
box-shadow:4px 4px 4px 4px rgb(68, 145,  
119) }
```

Background

The CSS property to change the background color of an element to XYZ 15.8391, 22.8117, 21.0210 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(68, 145, 119) }
```

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

```
.background{ background-color: rgb(68, 145,  
119) }
```

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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