

Converting Colors

XYZ(14.2133, 21.2345, 23.8910)

Have a look what the booklet for
XYZ(14.2133, 21.2345, 23.8910)
contains.

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Color

**XYZ(14.1965, 21.2278,
23.7712)**

Conversions

Conversions Part 1

Format	Color
Hex	218E80
RGB	33, 142, 128
RGB Percent	13%, 56%, 50%
CMY	0.8706, 0.4431, 0.4980
CMYK	0.77, 0.00, 0.10, 0.44
HSL	172°, 62%, 34%
HSV	172°, 77%, 56%
XYZ	14.1965, 21.2278, 23.7712
YIQ	107.8130, -60.4700, -27.4620

Conversions

Conversions Part 2

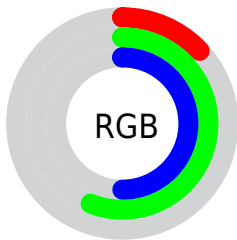
Format	Color
RYB	33, 91, 142
Decimal	2199168
CIELab	53.20, -32.98, -1.12
CIElCh	53, 32.998, 181.947
Yxy	21.2278, 0.2398, 0.3586
Android (android.graphics.Color)	4280389248 (0xFF218E80)
YUV	107.8130, 9.9522, -65.6110
Hunter-Lab	46.0736, -25.6283, 1.6615

Details

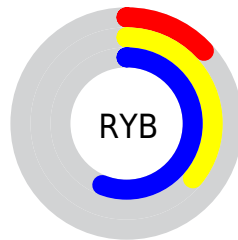
The XYZ color **14.1965, 21.2278, 23.7712** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **12.2130, 7.0444, 3.4063**, and the grayscale version is **14.1875, 14.9264, 16.2548**.

A 20% lighter version of the original color is **33.0102, 45.3574, 50.7311**, and **5.1524, 8.0467, 8.6787** is the 20% darker color. If you saturate the color by 10%, you get **13.7155, 20.9941, 23.1280**, and if you desaturate by 10%, it is **14.8728, 21.5629, 24.4358**.

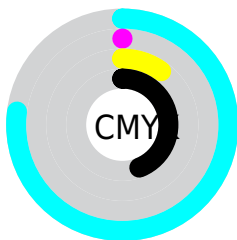
Distribution



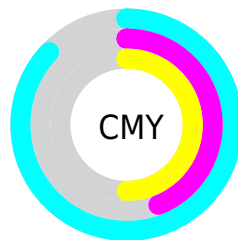
- Red (13%)
- Green (56%)
- Blue (50%)



- Red (13%)
- Yellow (36%)
- Blue (56%)



- Cyan (77%)
- Magenta (0%)
- Yellow (10%)
- Black (44%)



- Cyan (87%)
- Magenta (44%)
- Yellow (50%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 14.1965, 21.2278, 23.7712 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 14.1965, 21.2278, 23.7712 by changing the saturation by 10% instead.

■ 14.1965, 21.2278,
23.7712

■ 14.1965, 21.2278,
23.7712

■ 211.9361,
258.4867, 284.9109

■ 8.3401, 13.2906,
14.9534

■ 33.0206, 45.4663,
50.5957

■ 4.3669, 7.6290,
8.6404

■ 46.7191, 62.5365,
69.4395

■ 1.9118, 3.8585,
4.4138

■ 63.7622, 83.4198,
92.4623

■ 0.5837, 1.5947,
1.8550

■ 84.5154, 108.5006,
120.0827

■ 0.0000, 0.3540,
0.4639

■ 109.3441,
138.1632, 152.7192

■ 0.0000, 0.0000,
0.0000

■ 138.6135,

172.7922, 190.7904

172.6890,
212.7719, 234.7148

■ 14.1965, 21.2278,
23.7712

■ 14.1965, 21.2278,
23.7712

■ 13.7155, 20.9941,
23.1280

■ 14.8728, 21.5629,
24.4358

■ 13.3914, 20.8405,
22.5028

■ 15.7639, 22.0081,
25.1213

■ 13.2963, 20.7958,
22.3028

■ 16.8892, 22.5737,
25.8292

■ 18.2653, 23.2684,
26.5602

■ 19.9074, 24.0998,
27.3152

■ 21.8292, 25.0753,
28.0948

■ 24.0438, 26.2015,
28.8997

■ 26.5633, 27.4845,
29.7306

■ 29.3990, 28.9304,
30.5880

Harmonies

Analogous

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



14.8249, 21.2278, 15.2165



14.1965, 21.2278, 23.7712



15.0109, 21.2278, 34.8189

Triad

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



14.1965, 21.2278, 23.7712



23.9312, 21.2278, 43.5048



23.4923, 21.2278, 9.9835

Complementary

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



14.1965, 21.2278, 23.7712



12.2130, 7.0444, 3.4063

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.



26.4087, 21.2278, 14.3783



14.1965, 21.2278, 23.7712



26.6819, 21.2278, 33.3567

Square

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



14.1965, 21.2278, 23.7712



20.4048, 21.2278, 48.0669



27.6363, 21.2278, 22.4680



19.9497, 21.2278, 8.7564

Rectangle

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



14.1965, 21.2278, 23.7712



16.3238, 21.2278, 41.7429



27.6363, 21.2278, 22.4680



24.5919, 21.2278, 11.0620

Sweetspot

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



14.1971, 21.2286, 23.7717



36.1589, 43.0318, 48.6121



11.1453, 20.0737, 4.7266



7.8452, 9.4941, 10.7601



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.



14.1971, 21.2286, 23.7717



23.7624, 36.8191, 39.9912



10.2652, 11.7867, 27.3260



5.5309, 6.1046, 6.7614



11.9424, 18.6728, 20.0487



0.1196, 0.1807, 0.2200

Inverse Universe

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



12.2130, 7.0444, 3.4063



20.1623, 10.6037, 2.6842



13.8110, 10.6223, 2.7618



5.4353, 5.4347, 5.7905



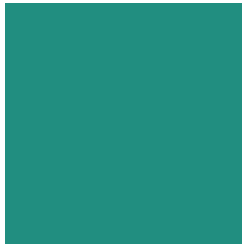
10.1199, 5.2050, 1.0165



0.1011, 0.0515, 0.0328

Previews

White Background



This preview shows how the XYZ color 14.1965, 21.2278, 23.7712 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 14.1965, 21.2278, 23.7712 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 14.1965, 21.2278, 23.7712

Background



This preview shows how black text looks on a background with the XYZ color 14.1965, 21.2278, 23.7712.

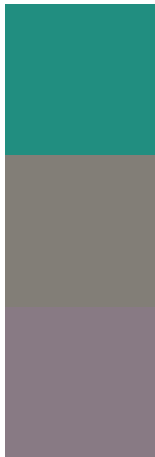


This preview shows how white text looks on a background with the XYZ color 14.1965, 21.2278,

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

14.1965, 21.2278, 23.7712

Protanopia

19.9965, 20.9994, 20.4521

Deuteranopia

21.2777, 20.8193, 24.7269



Tritanopia

15.9099, 21.2716, 32.1214

Trichromacy



Original Color

14.1965, 21.2278, 23.7712

Protanomaly

16.4834, 20.3406, 21.4697

Deuteranomaly

17.0926, 19.9919, 24.4307

Tritanomaly

15.2154, 21.2014, 28.8815

Monochromacy



Original Color

14.1965, 21.2278, 23.7712

Achromatopsia

14.2537, 14.9960, 16.3306

Achromatomaly

13.2043, 16.4201, 18.6931

CSS Examples

Text

The CSS property to change the color of the text to XYZ 14.1965, 21.2278, 23.7712 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(33, 142, 128)` looks like.

```
.text, #text, p{  
    color:rgb(33, 142, 128)  
}
```

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(33, 142, 128) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(33, 142, 128) }
```

Border

The CSS property to change the border of an element to XYZ 14.1965, 21.2278, 23.7712 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(33, 142, 128) }
```


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

```
.border{ border-color:rgb(33, 142, 128) }
```

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

Here you see how a box with a 4 pixel `rgb(33, 142, 128)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(33, 142, 128); -webkit-box-  
shadow:4px 4px 4px 4px rgb(33, 142, 128);  
box-shadow:4px 4px 4px 4px rgb(33, 142,  
128) }
```

Background

The CSS property to change the background color of an element to XYZ 14.1965, 21.2278, 23.7712 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(33, 142, 128) }
```

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

```
.background{ background-color: rgb(33, 142,  
128) }
```

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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