

Converting Colors

XYZ(20.7677, 29.7362, 40.1930)

Have a look what the booklet for
XYZ(20.7677, 29.7362, 40.1930)
contains.

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Color

**XYZ(20.6942, 29.5909,
40.2182)**

Conversions

Conversions Part 1

Format	Color
Hex	21A4A5
RGB	33, 164, 165
RGB Percent	13%, 64%, 65%
CMY	0.8705, 0.3569, 0.3529
CMYK	0.80, 0.01, 0.00, 0.35
HSL	180°, 67%, 39%
HSV	180°, 80%, 65%
XYZ	20.6942, 29.5909, 40.2182
YIQ	124.9450, -78.3970, -27.4610

Conversions

Conversions Part 2

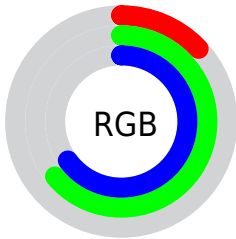
Format	Color
R _Y B	33, 99, 165
Decimal	2204837
CIE Lab	61.30, -32.39, -10.22
CIE LCh	61, 33.966, 197.519
Yxy	29.5909, 0.2287, 0.3270
Android (android.graphics.Color)	4280394917 (0xFF21A4A5)
YUV	124.9450, 19.7471, -80.6358
Hunter-Lab	54.3975, -27.2897, -5.7571

Details

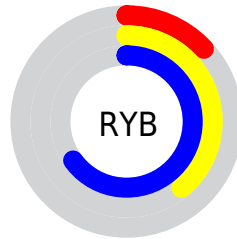
The XYZ color **20.6942, 29.5909, 40.2182** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **16.3642, 9.2539, 2.3633**, and the grayscale version is **19.4305, 20.4424, 22.2618**.

A 20% lighter version of the original color is **43.9587, 58.7734, 76.7377**, and **8.7748, 12.7806, 17.6272** is the 20% darker color. If you saturate the color by 10%, you get **20.2677, 29.3385, 40.1925**, and if you desaturate by 10%, it is **21.3813, 29.9789, 40.2574**.

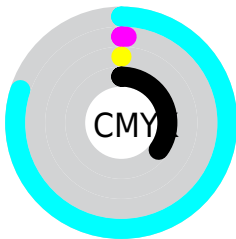
Distribution



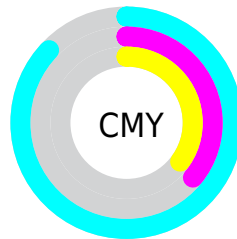
- Red (13%)
- Green (64%)
- Blue (65%)



- Red (13%)
- Yellow (39%)
- Blue (65%)



- Cyan (80%)
- Magenta (1%)
- Yellow (0%)
- Black (35%)





- Cyan (87%)
- Magenta (36%)
- Yellow (35%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 20.6942, 29.5909, 40.2182 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 20.6942, 29.5909, 40.2182 by changing the saturation by 10% instead.


 20.6942, 29.5909,
40.2182


 20.6942, 29.5909,
40.2182


248.4114,
299.9929, 362.6218


 13.0118, 19.5283,
27.3936

 44.0732, 59.0146,
76.7364


 7.5138, 12.0526,
17.6340


 60.5005, 79.1445,
101.2671


 3.8346, 6.7795,
10.5208


 80.5735, 103.3989,
130.5369

 1.6090, 3.3246,
5.6355

 104.6575,
132.1622, 164.9644

 0.3983, 1.3035,
2.5596

 133.1180,
165.8189, 204.9681

 0.0000, 0.1439,
0.8715

166.3203,

 0.0000, 0.0000,

204.7533, 250.9665

0.0000

204.6296,
249.3498, 303.3782

■ 20.6942, 29.5909,
40.2182

■ 20.6942, 29.5909,
40.2182

■ 20.2677, 29.3385,
40.1925

■ 21.3813, 29.9789,
40.2574

■ 20.0230, 29.1793,
40.1747

■ 22.3598, 30.5166,
40.3096

■ 20.0229, 29.1792,
40.1747

■ 23.6590, 31.2196,
40.3769

■ 25.3039, 32.1009,
40.4603

■ 27.3172, 33.1721,
40.5609

■ 29.7195, 34.4438,
40.6798

■ 32.5300, 35.9261,
40.8177

■ 35.7665, 37.6279,
40.9757

■ 39.4458, 39.5581,
41.1543

Harmonies

Analogous

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



20.5351, 29.5909, 27.1833



20.6942, 29.5909, 40.2182



22.7069, 29.5909, 54.0159

Triad

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



20.6942, 29.5909, 40.2182



34.9578, 29.5909, 51.8841



30.0255, 29.5909, 13.6559

Complementary

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



20.6942, 29.5909, 40.2182



16.3642, 9.2539, 2.3633

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.



34.3435, 29.5909, 17.2526



20.6942, 29.5909, 40.2182



37.3872, 29.5909, 37.8421

Square

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



20.6942, 29.5909, 40.2182



30.7947, 29.5909, 61.8832



37.1512, 29.5909, 25.3585



25.6147, 29.5909, 13.9746

Rectangle

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



20.6942, 29.5909, 40.2182



24.9627, 29.5909, 60.7627



37.1512, 29.5909, 25.3585



31.5443, 29.5909, 14.3968

Sweetspot

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



20.6951, 29.5920, 40.2189



51.2236, 60.6274, 72.7548



14.3575, 27.3440, 5.9609



10.8865, 13.0891, 15.8902



78.6606, 82.7571, 90.1225



14.0027, 14.7319, 16.0430

Same Dimension

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



20.6951, 29.5920, 40.2189



35.9753, 52.3303, 71.9570



11.8816, 11.9650, 37.2811



7.2715, 8.0020, 9.0644



15.1491, 22.0776, 30.3927



0.3197, 0.4666, 0.6391

Inverse Universe

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



22.7625, 11.7682, 36.1949



39.8481, 19.2983, 64.3391



20.2544, 17.0341, 3.6600



7.3620, 7.2013, 8.8928



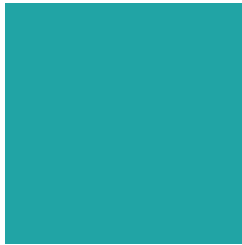
16.7920, 8.0729, 27.1592



0.3535, 0.1699, 0.5743

Previews

White Background



This preview shows how the XYZ color 20.6942, 29.5909, 40.2182 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 20.6942, 29.5909, 40.2182 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

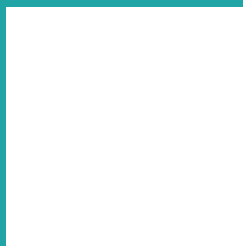
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 20.6942, 29.5909, 40.2182

Background



This preview shows how black text looks on a background with the XYZ color 20.6942, 29.5909, 40.2182.

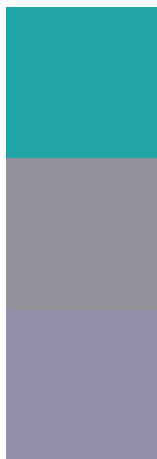


This preview shows how white text looks on a background with the XYZ color 20.6942, 29.5909,

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

20.6942, 29.5909, 40.2182

Protanopia

28.1442, 29.0939, 34.7042

Deuteranopia

29.6558, 29.0312, 42.0708



Tritanopia

21.7116, 29.4675, 45.6178

Trichromacy



Original Color

20.6942, 29.5909, 40.2182

Protanomaly

23.5066, 28.3153, 36.5742

Deuteranomaly

24.1979, 28.0862, 41.1916

Tritanomaly

21.3803, 29.6043, 43.6171

Monochromacy



Original Color

20.6942, 29.5909, 40.2182

Achromatopsia

19.4927, 20.5079, 22.3331

Achromatomaly

18.3799, 22.6340, 28.2110

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.6942, 29.5909, 40.2182 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, 164, 165)` looks like.

```
.text, #text, p{  
    color:rgb(33, 164, 165)  
}
```

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, 164, 165) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(33, 164, 165) }
```

Border

The CSS property to change the border of an element to XYZ 20.6942, 29.5909, 40.2182 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, 164, 165) }
```


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

```
.border{ border-color:rgb(33, 164, 165) }
```

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

Here you see how a box with a 4 pixel `rgb(33, 164, 165)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(33, 164, 165); -webkit-box-  
shadow:4px 4px 4px 4px rgb(33, 164, 165);  
box-shadow:4px 4px 4px 4px rgb(33, 164,  
165) }
```

Background

The CSS property to change the background color of an element to XYZ 20.6942, 29.5909, 40.2182 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(33, 164, 165) }
```

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

```
.background{ background-color: rgb(33, 164,  
165) }
```

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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