

Converting Colors

XYZ(14.9801, 20.1035, 30.6954)

Have a look what the booklet for
XYZ(14.9801, 20.1035, 30.6954)
contains.

XYZ(15.0255, 20.2071, 30.7122)	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(15.0255, 20.2071,
30.7122)**

Conversions

Conversions Part 1

Format	Color
Hex	2A8893
RGB	42, 136, 147
RGB Percent	16%, 53%, 58%
CMY	0.8353, 0.4667, 0.4235
CMYK	0.71, 0.07, 0.00, 0.42
HSL	186°, 56%, 37%
HSV	186°, 71%, 58%
XYZ	15.0255, 20.2071, 30.7122
YIQ	109.1480, -59.5550, -16.5070

Conversions

Conversions Part 2

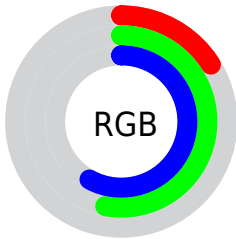
Format	Color
RYB	42, 92, 147
Decimal	2787475
CIELab	52.07, -23.05, -13.80
CIElCh	52, 26.868, 210.907
Yxy	20.2071, 0.2278, 0.3064
Android (android.graphics.Color)	4280977555 (0xFF2A8893)
YUV	109.1480, 18.6610, -58.8888
Hunter-Lab	44.9523, -19.0022, -9.0413

Details

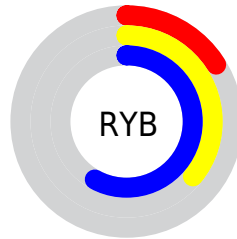
The XYZ color **15.0255, 20.2071, 30.7122** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **13.7243, 8.9173, 3.1891**, and the grayscale version is **14.5395, 15.2967, 16.6581**.

A 20% lighter version of the original color is **34.5496, 43.9275, 61.9162**, and **5.4391, 7.5001, 12.2273** is the 20% darker color. If you saturate the color by 10%, you get **14.3158, 19.5220, 30.6177**, and if you desaturate by 10%, it is **15.9602, 21.0137, 30.8190**.

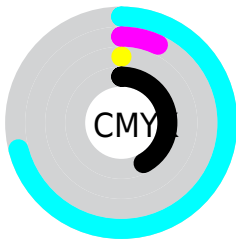
Distribution



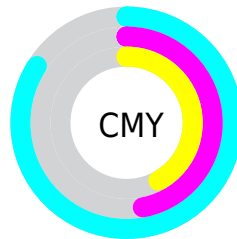
- Red (16%)
- Green (53%)
- Blue (58%)



- Red (16%)
- Yellow (36%)
- Blue (58%)



- Cyan (71%)
- Magenta (7%)
- Yellow (0%)
- Black (42%)



- Cyan (84%)
- Magenta (47%)
- Yellow (42%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 15.0255, 20.2071, 30.7122 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 15.0255, 20.2071, 30.7122 by changing the saturation by 10% instead.

■ 15.0255, 20.2071,
30.7122

■ 15.0255, 20.2071,
30.7122

■ 216.9058,
253.0341, 319.5203

■ 8.9237, 12.5457,
20.1232

■ 34.4692, 43.7641,
61.8609

■ 4.7482, 7.1165,
12.2996

■ 48.5418, 60.4285,
83.2577

■ 2.1335, 3.5350,
6.8231

■ 66.0021, 80.8627,
109.0942

■ 0.7073, 1.4170,
3.2749

■ 87.2154, 105.4510,
139.7888

■ 0.0000, 0.2292,
1.2367

■ 112.5471,
134.5780, 175.7602

■ 0.0000, 0.0000,
0.0090

■ 142.3625,

■ 0.0000, 0.0000,

168.6278, 217.4269

0.0000

177.0269,
207.9851, 265.2074

■ 15.0255, 20.2071,
30.7122

■ 15.0255, 20.2071,
30.7122

■ 14.3158, 19.5220,
30.6177

■ 15.9602, 21.0137,
30.8190

■ 13.8036, 18.9429,
30.5330

■ 17.1396, 21.9506,
30.9377

■ 13.4638, 18.5011,
30.4656

■ 18.5835, 23.0286,
31.0697

■ 20.3091, 24.2565,
31.2157

■ 22.3320, 25.6423,
31.3766

■ 24.6669, 27.1938,
31.5530

■ 27.3274, 28.9177,
31.7455

■ 30.3262, 30.8209,
31.9548

■ 33.6754, 32.9095,
32.1814

Harmonies

Analogous

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



14.3989, 20.2071, 22.2421



15.0255, 20.2071, 30.7122



16.7532, 20.2071, 38.0242

Triad

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



15.0255, 20.2071, 30.7122



24.1956, 20.2071, 30.1978



19.1229, 20.2071, 10.0876

Complementary

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



15.0255, 20.2071, 30.7122



13.7243, 8.9173, 3.1891

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.



21.8877, 20.2071, 11.2630



15.0255, 20.2071, 30.7122



24.9797, 20.2071, 21.7639

Square

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



15.0255, 20.2071, 30.7122



22.0459, 20.2071, 37.6809



24.0984, 20.2071, 15.1174



16.6216, 20.2071, 11.4167

Rectangle

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



15.0255, 20.2071, 30.7122



18.3844, 20.2071, 40.5504



24.0984, 20.2071, 15.1174



20.0523, 20.2071, 10.1998

Sweetspot

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



15.0261, 20.2078, 30.7127



39.9896, 45.9190, 56.1902



12.0204, 21.6127, 6.8472



8.9111, 10.3350, 12.8100



71.1368, 74.8414, 81.5023



11.3376, 11.9280, 12.9896

Same Dimension

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



15.0261, 20.2078, 30.7127



25.0174, 34.2821, 54.7331



9.3925, 8.9405, 28.8348



5.9128, 6.4595, 7.4049



11.6828, 16.0604, 26.4153



0.1550, 0.2206, 0.3273

Inverse Universe

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



17.3051, 9.6373, 24.2413



29.5775, 14.9391, 41.3789



17.5028, 16.4743, 4.4486



6.0094, 5.8988, 7.1557



14.0240, 6.8147, 19.4053



0.1777, 0.0858, 0.2694

Previews

White Background



This preview shows how the XYZ color 15.0255, 20.2071, 30.7122 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 15.0255, 20.2071, 30.7122 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

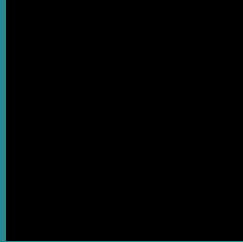
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 15.0255, 20.2071, 30.7122

Background



This preview shows how black text looks on a background with the XYZ color 15.0255, 20.2071, 30.7122.

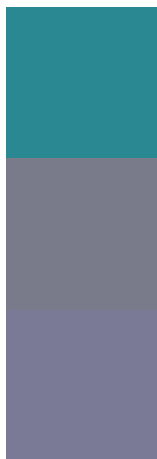


This preview shows how white text looks on a background with the XYZ color 15.0255, 20.2071,

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

15.0255, 20.2071, 30.7122

Protanopia

19.5556, 20.0658, 26.8872

Deuteranopia

20.3684, 20.0143, 31.6438



Tritanopia

15.0255, 20.2071, 30.7122

Trichromacy



Original Color

15.0255, 20.2071, 30.7122

Protanomaly

16.9405, 19.6367, 28.0967

Deuteranomaly

17.3999, 19.4188, 31.2649

Tritanomaly

15.0255, 20.2071, 30.7122

Monochromacy



Original Color

15.0255, 20.2071, 30.7122

Achromatopsia

14.5356, 15.2926, 16.6537

Achromatomaly

13.9183, 16.5550, 21.2008

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.0255, 20.2071, 30.7122 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(42, 136, 147)` looks like.

```
.text, #text, p{  
    color:rgb(42, 136, 147)  
}
```

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(42, 136, 147) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(42, 136, 147) }
```

Border

The CSS property to change the border of an element to XYZ 15.0255, 20.2071, 30.7122 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(42, 136, 147) }
```


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

```
.border{ border-color:rgb(42, 136, 147) }
```

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

Here you see how a box with a 4 pixel `rgb(42, 136, 147)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(42, 136, 147); -webkit-box-  
shadow:4px 4px 4px 4px rgb(42, 136, 147);  
box-shadow:4px 4px 4px 4px rgb(42, 136,  
147) }
```

Background

The CSS property to change the background color of an element to XYZ 15.0255, 20.2071, 30.7122 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(42, 136, 147) }
```

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

```
.background{ background-color: rgb(42, 136,  
147) }
```

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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