

Converting Colors

XYZ(15.6870, 21.7476, 29.9855)

Have a look what the booklet for
XYZ(15.6870, 21.7476, 29.9855)
contains.

XYZ(15.6320, 21.6077, 30.1349)	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(15.6320, 21.6077,
30.1349)**

Conversions

Conversions Part 1

Format	Color
Hex	2B8D91
RGB	43, 141, 145
RGB Percent	17%, 55%, 57%
CMY	0.8313, 0.4471, 0.4314
CMYK	0.70, 0.03, 0.00, 0.43
HSL	182°, 54%, 37%
HSV	182°, 70%, 57%
XYZ	15.6320, 21.6077, 30.1349
YIQ	112.1540, -59.6920, -19.5320

Conversions

Conversions Part 2

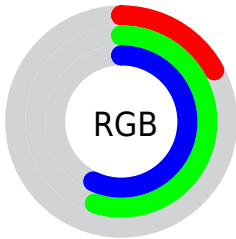
Format	Color
R_{YB}	43, 93, 145
Decimal	2854289
CIE _{Lab}	53.61, -26.09, -10.32
CIE _{LCh}	54, 28.059, 201.585
Yxy	21.6077, 0.2320, 0.3207
Android (android.graphics.Color)	4281044369 (0xFF2B8D91)
YUV	112.1540, 16.1931, -60.6481
Hunter-Lab	46.4841, -21.3199, -5.8979

Details

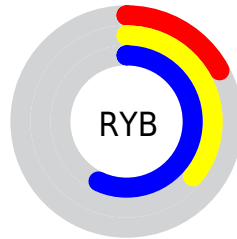
The XYZ color **15.6320, 21.6077, 30.1349** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **13.1301, 8.2278, 3.1822**, and the grayscale version is **15.4136, 16.2163, 17.6596**.

A 20% lighter version of the original color is **35.5328, 46.0968, 61.0576**, and **5.7217, 8.1386, 12.0958** is the 20% darker color. If you saturate the color by 10%, you get **15.0454, 21.1816, 30.0840**, and if you desaturate by 10%, it is **16.4365, 22.1477, 30.1971**.

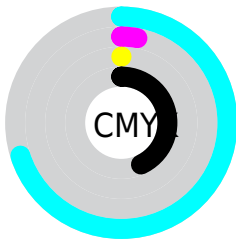
Distribution



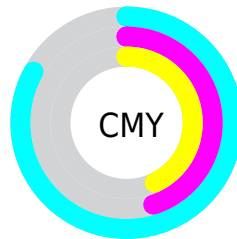
- Red (17%)
- Green (55%)
- Blue (57%)



- Red (17%)
- Yellow (36%)
- Blue (57%)



- Cyan (70%)
- Magenta (3%)
- Yellow (0%)
- Black (43%)



- Cyan (83%)
- Magenta (45%)
- Yellow (43%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 15.6320, 21.6077, 30.1349 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 15.6320, 21.6077, 30.1349 by changing the saturation by 10% instead.

15.6320, 21.6077,
30.1349

15.6320, 21.6077,
30.1349

220.4737,
260.4907, 316.7596

9.3533, 13.5689,
19.6881

35.5208, 46.0967,
60.9390

5.0313, 7.8215,
11.9867

49.8616, 63.3158,
82.1333

2.3006, 3.9809,
6.6122

67.6205, 84.3638,
107.7472

0.7950, 1.6629,
3.1460

89.1628, 109.6250,
138.1993

0.0000, 0.3995,
1.1697

114.8539,
139.4839, 173.9080

0.0000, 0.0000,
0.0000

145.0592,

174.3249, 215.2920

180.1440,
214.5324, 262.7696

■ 15.6320, 21.6077,
30.1349

■ 15.6320, 21.6077,
30.1349

■ 15.0454, 21.1816,
30.0840

■ 16.4365, 22.1477,
30.1971

■ 14.6505, 20.8546,
30.0417

■ 17.4776, 22.8098,
30.2700

■ 14.3894, 20.6013,
30.0065

■ 18.7742, 23.6042,
30.3551

■ 20.3425, 24.5394,
30.4529

■ 22.1978, 25.6232,
30.5643

■ 24.3539, 26.8627,
30.6899

■ 26.8239, 28.2647,
30.8303

■ 29.6202, 29.8354,
30.9861

■ 32.7542, 31.5810,
31.1579

Harmonies

Analogous

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



15.3486, 21.6077, 21.1939



15.6320, 21.6077, 30.1349



17.1613, 21.6077, 38.9700

Triad

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



15.6320, 21.6077, 30.1349



25.3910, 21.6077, 35.3423



21.3923, 21.6077, 10.6874

Complementary

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



15.6320, 21.6077, 30.1349



13.1301, 8.2278, 3.1822

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.



24.3298, 21.6077, 12.8214



15.6320, 21.6077, 30.1349



26.7810, 21.6077, 26.0256

Square

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



15.6320, 21.6077, 30.1349



22.7309, 21.6077, 42.4494



26.3748, 21.6077, 17.9636



18.4899, 21.6077, 11.2767

Rectangle

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



15.6320, 21.6077, 30.1349



18.7705, 21.6077, 42.9138



26.3748, 21.6077, 17.9636



22.4120, 21.6077, 11.0866

Sweetspot

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



15.6327, 21.6085, 30.1354



39.3619, 45.6603, 54.7123



11.6233, 20.9653, 6.0611



8.5691, 10.0486, 12.1602



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.



15.6327, 21.6085, 30.1354



26.5214, 37.5951, 53.8323



9.8148, 9.9728, 28.1961



5.5424, 6.0806, 6.9103



12.3466, 17.6792, 25.7388



0.1217, 0.1763, 0.2473

Inverse Universe

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



17.3492, 9.6712, 26.1525



29.8748, 15.1163, 45.8626



16.4255, 14.8185, 4.2807



5.6173, 5.5074, 6.7484



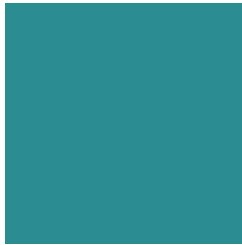
14.0351, 6.7711, 21.6340



0.1360, 0.0655, 0.2165

Previews

White Background



This preview shows how the XYZ color 15.6320, 21.6077, 30.1349 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 15.6320, 21.6077, 30.1349 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

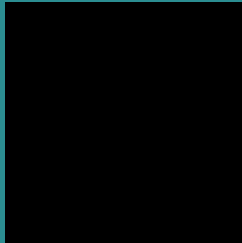
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 15.6320, 21.6077, 30.1349

Background



This preview shows how black text looks on a background with the XYZ color 15.6320, 21.6077, 30.1349.



This preview shows how white text looks on a background with the XYZ color 15.6320, 21.6077,

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

15.6320, 21.6077, 30.1349

Protanopia

20.6572, 21.2113, 26.2980

Deuteranopia

21.6857, 21.2524, 31.3929



Tritanopia

16.1363, 21.5949, 32.5959

Trichromacy



Original Color

15.6320, 21.6077, 30.1349

Protanomaly

17.6004, 20.5835, 27.4715

Deuteranomaly

18.3649, 20.7001, 31.0445

Tritanomaly

15.9296, 21.5069, 31.7454

Monochromacy



Original Color

15.6320, 21.6077, 30.1349

Achromatopsia

15.4009, 16.2029, 17.6450

Achromatomaly

14.6515, 17.6474, 21.7029

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.6320, 21.6077, 30.1349 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(43, 141, 145)` looks like.

```
.text, #text, p{  
    color:rgb(43, 141, 145)  
}
```

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(43, 141, 145) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(43, 141, 145) }
```

Border

The CSS property to change the border of an element to XYZ 15.6320, 21.6077, 30.1349 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(43, 141, 145) }
```


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

```
.border{ border-color:rgb(43, 141, 145) }
```

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

Here you see how a box with a 4 pixel `rgb(43, 141, 145)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(43, 141, 145); -webkit-box-  
shadow:4px 4px 4px 4px rgb(43, 141, 145);  
box-shadow:4px 4px 4px 4px rgb(43, 141,  
145) }
```

Background

The CSS property to change the background color of an element to XYZ 15.6320, 21.6077, 30.1349 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(43, 141, 145) }
```

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

```
.background{ background-color: rgb(43, 141,  
145) }
```

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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