

Converting Colors

XYZ(16.3263, 21.0320, 33.3361)

Have a look what the booklet for
XYZ(16.3263, 21.0320, 33.3361)
contains.

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Color

**XYZ(16.3263, 21.0320,
33.3361)**

Conversions

Conversions Part 1

Format	Color
Hex	388999
RGB	56, 137, 153
RGB Percent	22%, 54%, 60%
CMY	0.7804, 0.4627, 0.4000
CMYK	0.63, 0.10, 0.00, 0.40
HSL	190°, 46%, 41%
HSV	190°, 63%, 60%
XYZ	16.3263, 21.0320, 33.3361
YIQ	114.6050, -53.4120, -12.1960

Conversions

Conversions Part 2

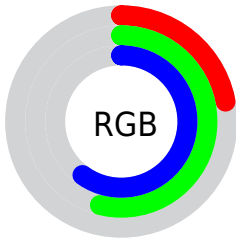
Format	Color
R_{YB}	56, 100, 153
Decimal	3705241
CIE _{Lab}	52.98, -19.41, -15.86
CIE _{LCh}	53, 25.061, 219.256
Yxy	21.0320, 0.2309, 0.2975
Android (android.graphics.Color)	4281895321 (0xFF388999)
YUV	114.6050, 18.9287, -51.3966
Hunter-Lab	45.8607, -16.7105, -10.9954

Details

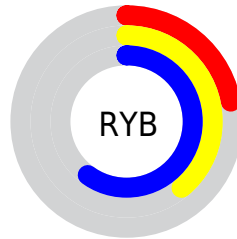
The XYZ color **16.3263, 21.0320, 33.3361** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **16.1685, 11.6931, 5.1468**, and the grayscale version is **16.1331, 16.9733, 18.4839**.

A 20% lighter version of the original color is **36.8327, 45.3440, 65.8425**, and **5.8065, 7.7757, 13.7652** is the 20% darker color. If you saturate the color by 10%, you get **15.2440, 19.9481, 33.1843**, and if you desaturate by 10%, it is **17.6797, 22.2690, 33.5039**.

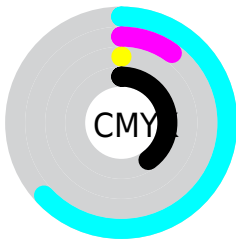
Distribution



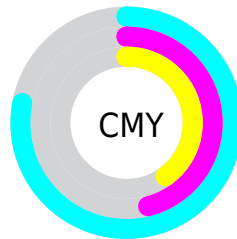
- Red (22%)
- Green (54%)
- Blue (60%)



- Red (22%)
- Yellow (39%)
- Blue (60%)



- Cyan (63%)
- Magenta (10%)
- Yellow (0%)
- Black (40%)



- Cyan (78%)
- Magenta (46%)
- Yellow (40%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.3263, 21.0320, 33.3361 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 16.3263, 21.0320, 33.3361 by changing the saturation by 10% instead.

■ 16.3263, 21.0320,
33.3361

■ 16.3263, 21.0320,
33.3361

224.4923,
257.4485, 331.8398

■ 9.8477, 13.1474,
22.1108

■ 36.7166, 45.1408,
66.0220

■ 5.3596, 7.5301,
13.7393

■ 51.3591, 62.1338,
88.3196

■ 2.4966, 3.7958,
7.8029

■ 69.4534, 82.9316,
115.1451

■ 0.8936, 1.5600,
3.8831

■ 91.3651, 107.9188,
146.9171

■ 0.0000, 0.3304,
1.5614

■ 117.4595,
137.4797, 184.0540

■ 0.0000, 0.0000,
0.2631

148.1019,

■ 0.0000, 0.0000,

171.9987, 226.9744

0.0000

183.6577,
211.8602, 276.0968

■ 16.3263, 21.0320,
33.3361

■ 16.3263, 21.0320,
33.3361

■ 15.2440, 19.9481,
33.1843

■ 17.6797, 22.2690,
33.5039

■ 14.4060, 19.0021,
33.0459

■ 19.3239, 23.6679,
33.6873

■ 13.7835, 18.1796,
32.9199

■ 21.2788, 25.2397,
33.8876

■ 13.4384, 17.6770,
32.8411

■ 23.5623, 26.9936,
34.1058

■ 26.1906, 28.9380,
34.3426

■ 29.1790, 31.0809,
34.5987

■ 32.5417, 33.4298,
34.8748

■ 36.2924, 35.9916,
35.1717

■ 40.4438, 38.7732,
35.4897

Harmonies

Analogous

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



15.4050, 21.0320, 25.3085



16.3263, 21.0320, 33.3361



18.2529, 21.0320, 39.2805

Triad

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



16.3263, 21.0320, 33.3361



25.0995, 21.0320, 28.4196



19.1882, 21.0320, 11.3782

Complementary

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



16.3263, 21.0320, 33.3361



16.1685, 11.6931, 5.1468

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.



21.8345, 21.0320, 11.8552



16.3263, 21.0320, 33.3361



25.4055, 21.0320, 20.6498

Square

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



16.3263, 21.0320, 33.3361



23.3624, 21.0320, 36.0375



24.1651, 21.0320, 14.9072



16.9594, 21.0320, 13.4206

Rectangle

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



16.3263, 21.0320, 33.3361



19.9247, 21.0320, 40.6388



24.1651, 21.0320, 14.9072



20.0560, 21.0320, 11.2611

Sweetspot

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



16.3270, 21.0328, 33.3366



44.0135, 49.7000, 61.2453



14.1456, 24.0729, 9.7874



9.4537, 10.7767, 13.4993



72.9764, 76.7769, 83.6100



11.9732, 12.5967, 13.7178

Same Dimension

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



16.3270, 21.0328, 33.3366



26.6334, 35.0002, 59.3240



11.0332, 10.4453, 31.5720



6.2978, 6.8530, 7.9198



11.1270, 14.6507, 27.1491



0.1867, 0.2597, 0.4127

Inverse Universe

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



19.0670, 11.4074, 24.8647



32.2096, 17.2755, 41.6643



20.4540, 20.2640, 6.5753



6.4175, 6.3061, 7.5784



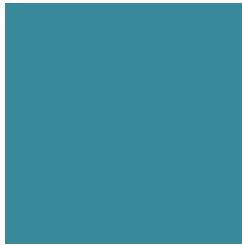
14.0752, 6.8843, 17.4527



0.2207, 0.1070, 0.3150

Previews

White Background



This preview shows how the XYZ color 16.3263, 21.0320, 33.3361 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 16.3263, 21.0320, 33.3361 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 16.3263, 21.0320, 33.3361

Background



This preview shows how black text looks on a background with the XYZ color 16.3263, 21.0320, 33.3361.

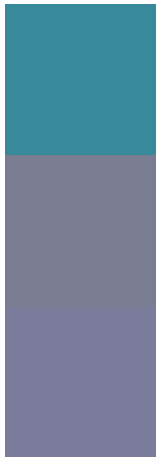


This preview shows how white text looks on a background with the XYZ color 16.3263, 21.0320,

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

16.3263, 21.0320, 33.3361

Protanopia

20.4705, 20.8491, 29.7334

Deuteranopia

21.2521, 20.7772, 34.3428



Tritanopia

16.0346, 21.1312, 31.6674

Trichromacy



Original Color

16.3263, 21.0320, 33.3361

Protanomaly

18.2326, 20.4353, 31.0004

Deuteranomaly

18.7812, 20.4575, 33.9692

Tritanomaly

16.1690, 21.1912, 32.0923

Monochromacy



Original Color

16.3263, 21.0320, 33.3361

Achromatopsia

16.2955, 17.1441, 18.6699

Achromatomaly

15.6615, 18.1306, 23.4430

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.3263, 21.0320, 33.3361 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(56, 137, 153)` looks like.

```
.text, #text, p{  
    color:rgb(56, 137, 153)  
}
```

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(56, 137, 153) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(56, 137, 153) }
```

Border

The CSS property to change the border of an element to XYZ 16.3263, 21.0320, 33.3361 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(56, 137, 153) }
```


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

```
.border{ border-color:rgb(56, 137, 153) }
```

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

Here you see how a box with a 4 pixel rgb(56, 137, 153) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(56, 137, 153); -webkit-box-  
shadow:4px 4px 4px 4px rgb(56, 137, 153);  
box-shadow:4px 4px 4px 4px rgb(56, 137,  
153) }
```

Background

The CSS property to change the background color of an element to XYZ 16.3263, 21.0320, 33.3361 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(56, 137, 153) }
```

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

```
.background{ background-color: rgb(56, 137,  
153) }
```

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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