

Converting Colors

XYZ(16.0688, 21.4214, 32.9947)

Have a look what the booklet for
XYZ(16.0688, 21.4214, 32.9947)
contains.

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Color

**XYZ(16.0268, 21.3131,
32.9749)**

Conversions

Conversions Part 1

Format	Color
Hex	2E8B98
RGB	46, 139, 152
RGB Percent	18%, 55%, 60%
CMY	0.8196, 0.4549, 0.4039
CMYK	0.70, 0.09, 0.00, 0.40
HSL	187°, 54%, 39%
HSV	187°, 70%, 60%
XYZ	16.0268, 21.3131, 32.9749
YIQ	112.6750, -59.6010, -15.6730

Conversions

Conversions Part 2

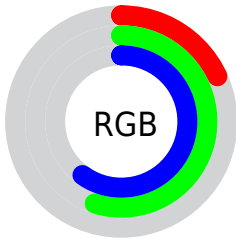
Format	Color
R_{YB}	46, 96, 152
Decimal	3050392
CIE _{Lab}	53.29, -22.43, -14.84
CIE _{LCh}	53, 26.900, 213.488
Yxy	21.3131, 0.2279, 0.3031
Android (android.graphics.Color)	4281240472 (0xFF2E8B98)
YUV	112.6750, 19.3872, -58.4740
Hunter-Lab	46.1661, -18.8235, -10.0326

Details

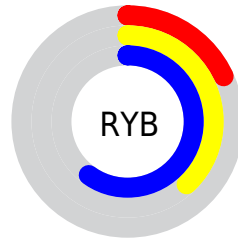
The XYZ color **16.0268, 21.3131, 32.9749** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **15.0065, 10.0011, 3.7248**, and the grayscale version is **15.5577, 16.3679, 17.8246**.

A 20% lighter version of the original color is **36.2739, 45.7220, 65.3059**, and **5.9213, 8.0843, 13.5603** is the 20% darker color. If you saturate the color by 10%, you get **15.1921, 20.4860, 32.8596**, and if you desaturate by 10%, it is **17.1099, 22.2760, 33.1041**.

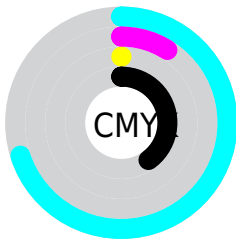
Distribution



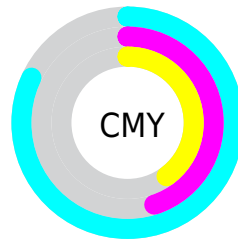
- Red (18%)
- Green (55%)
- Blue (60%)



- Red (18%)
- Yellow (38%)
- Blue (60%)



- Cyan (70%)
- Magenta (9%)
- Yellow (0%)
- Black (40%)



- Cyan (82%)
- Magenta (45%)
- Yellow (40%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.0268, 21.3131, 32.9749 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 16.0268, 21.3131, 32.9749 by changing the saturation by 10% instead.

■ 16.0268, 21.3131,
32.9749

■ 16.0268, 21.3131,
32.9749

222.7671,
258.9378, 330.1652

■ 9.6341, 13.3531,
21.8363

■ 36.2018, 45.6080,
65.4519

■ 5.2174, 7.6721,
13.5395

■ 50.7148, 62.7117,
87.6273

■ 2.4115, 3.8859,
7.6660

■ 68.6653, 83.6321,
114.3188

■ 0.8508, 1.6099,
3.7973

■ 90.4185, 108.7535,
145.9448

■ 0.0000, 0.3643,
1.5148

■ 116.3400,
138.4604, 182.9239

■ 0.0000, 0.0000,
0.2289

■ 146.7950,

■ 0.0000, 0.0000,

173.1372, 225.6746

0.0000

182.1489,
213.1682, 274.6155

■ 16.0268, 21.3131,
32.9749

■ 16.0268, 21.3131,
32.9749

■ 15.1921, 20.4860,
32.8596

■ 17.1099, 22.2760,
33.1041

■ 14.5769, 19.7783,
32.7555

■ 18.4624, 23.3842,
33.2467

■ 14.1164, 19.1572,
32.6599

■ 20.1054, 24.6491,
33.4042

■ 14.1045, 19.1410,
32.6573

■ 22.0573, 26.0802,
33.5776

■ 24.3350, 27.6861,
33.7675

■ 26.9540, 29.4751,
33.9748

■ 29.9290, 31.4546,
34.2001

■ 33.2738, 33.6317,
34.4440

■ 37.0013, 36.0133,
34.7072

Harmonies

Analogous

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



15.2705, 21.3131, 24.1732



16.0268, 21.3131, 32.9749



17.9111, 21.3131, 40.2501

Triad

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



16.0268, 21.3131, 32.9749



25.5608, 21.3131, 30.9307



19.9263, 21.3131, 10.8126

Complementary

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



16.0268, 21.3131, 32.9749



15.0065, 10.0011, 3.7248

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.



22.8003, 21.3131, 11.8154



16.0268, 21.3131, 32.9749



26.2268, 21.3131, 22.2656

Square

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



16.0268, 21.3131, 32.9749



23.4302, 21.3131, 38.8889



25.1739, 21.3131, 15.5870



17.3849, 21.3131, 12.4340

Rectangle

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



16.0268, 21.3131, 32.9749



19.6430, 21.3131, 42.5253



25.1739, 21.3131, 15.5870



20.8846, 21.3131, 10.8560

Sweetspot

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



16.0275, 21.3139, 32.9754



42.2385, 48.3713, 59.5441



13.1285, 23.3470, 7.8672



9.3628, 10.8279, 13.5140



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.



16.0275, 21.3139, 32.9754



26.1310, 35.3984, 57.8890



10.1734, 9.6057, 31.0241



6.3199, 6.8972, 7.9272



11.8413, 16.0793, 27.3872



0.1929, 0.2721, 0.4147

Inverse Universe

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



18.5866, 10.4940, 25.4729



31.2057, 15.9241, 42.5673



19.1671, 18.3224, 5.1117



6.4286, 6.3106, 7.6371



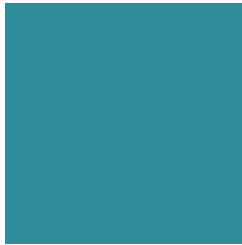
14.4357, 7.0285, 19.3513



0.2238, 0.1083, 0.3314

Previews

White Background



This preview shows how the XYZ color 16.0268, 21.3131, 32.9749 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 16.0268, 21.3131, 32.9749 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

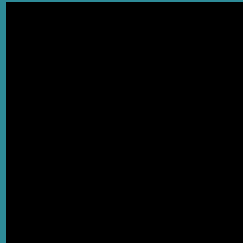
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 16.0268, 21.3131, 32.9749

Background



This preview shows how black text looks on a background with the XYZ color 16.0268, 21.3131, 32.9749.



This preview shows how white text looks on a background with the XYZ color 16.0268, 21.3131,

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

16.0268, 21.3131, 32.9749

Protanopia

20.7310, 21.1900, 28.9840

Deuteranopia

21.4362, 21.0669, 33.9469



Tritanopia

15.9007, 21.2575, 32.5432

Trichromacy



Original Color

16.0268, 21.3131, 32.9749

Protanomaly

18.1285, 20.7947, 30.2524

Deuteranomaly

18.5069, 20.5204, 33.5573

Tritanomaly

15.9007, 21.2575, 32.5432

Monochromacy



Original Color

16.0268, 21.3131, 32.9749

Achromatopsia

15.6958, 16.5132, 17.9829

Achromatomaly

14.9101, 17.5752, 22.6852

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.0268, 21.3131, 32.9749 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(46, 139, 152)` looks like.

```
.text, #text, p{  
    color:rgb(46, 139, 152)  
}
```

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(46, 139, 152) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(46, 139, 152) }
```

Border

The CSS property to change the border of an element to XYZ 16.0268, 21.3131, 32.9749 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(46, 139, 152) }
```


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

```
.border{ border-color:rgb(46, 139, 152) }
```

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

Here you see how a box with a 4 pixel `rgb(46, 139, 152)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(46, 139, 152); -webkit-box-  
shadow:4px 4px 4px 4px rgb(46, 139, 152);  
box-shadow:4px 4px 4px 4px rgb(46, 139,  
152) }
```

Background

The CSS property to change the background color of an element to XYZ 16.0268, 21.3131, 32.9749 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(46, 139, 152) }
```

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

```
.background{ background-color: rgb(46, 139,  
152) }
```

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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