

Converting Colors

XYZ(6.7194, 17.5115, 36.1953)

Have a look what the booklet for
XYZ(6.7194, 17.5115, 36.1953)
contains.

XYZ(16.3184, 22.4846, 36.7376)	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(16.3184, 22.4846,
36.7376)**

Conversions

Conversions Part 1

Format	Color
Hex	0090A0
RGB	0, 144, 160
RGB Percent	0%, 56%, 63%
CMY	0.9999, 0.4353, 0.3725
CMYK	1.00, 0.10, 0.00, 0.37
HSL	186°, 100%, 31%
HSV	186°, 100%, 63%
XYZ	16.3184, 22.4846, 36.7376
YIQ	102.7680, -90.9600, -25.5520

Conversions

Conversions Part 2

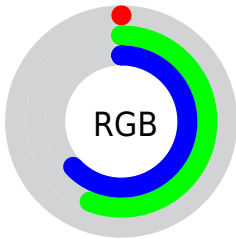
Format	Color
RYB	0, 76, 160
Decimal	37024
CIELab	54.54, -26.14, -17.62
CIELCh	55, 31.527, 213.975
Yxy	22.4846, 0.2160, 0.2976
Android (android.graphics.Color)	4278227104 (0xFF0090A0)
YUV	102.7680, 28.2154, -90.1275
Hunter-Lab	47.4179, -21.5524, -12.7431

Details

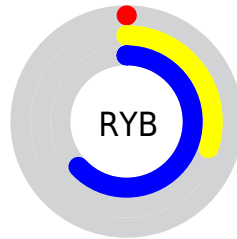
The XYZ color **16.3184, 22.4846, 36.7376** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **14.6831, 7.8450, 0.7410**, and the grayscale version is **12.7781, 13.4436, 14.6401**.

A 20% lighter version of the original color is **36.6763, 47.4681, 71.5192**, and **6.6747, 8.9328, 15.8404** is the 20% darker color. If you saturate the color by 10%, you get **16.3185, 22.4845, 36.7380**, and if you desaturate by 10%, it is **16.7770, 23.0838, 36.8295**.

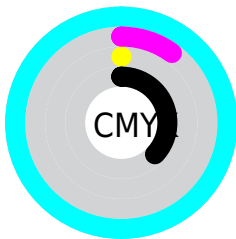
Distribution



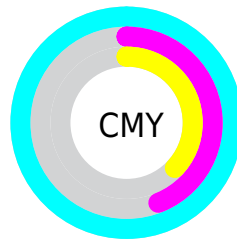
- Red (0%)
- Green (56%)
- Blue (63%)



- Red (0%)
- Yellow (30%)
- Blue (63%)



- Cyan (100%)
- Magenta (10%)
- Yellow (0%)
- Black (37%)



- Cyan (100%)
- Magenta (44%)
- Yellow (37%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.3184, 22.4846, 36.7376 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 16.3184, 22.4846, 36.7376 by changing the saturation by 10% instead.

■ 16.3184, 22.4846,
36.7376

■ 16.3184, 22.4846,
36.7376

■ 224.4469,
265.0666, 347.3075

■ 9.8420, 14.2134,
24.7102

■ 36.7031, 47.5456,
71.3508

■ 5.3558, 8.2692,
15.6442

■ 51.3421, 65.1043,
94.7738

■ 2.4944, 4.2677,
9.1211

■ 69.4327, 86.5275,
122.8323

■ 0.8924, 1.8244,
4.7224

■ 91.3402, 112.1998,
155.9449

■ 0.0000, 0.5023,
2.0294

■ 117.4301,
142.5054, 194.5302

■ 0.0000, 0.0000,
0.5733

■ 148.0676,

■ 0.0000, 0.0000,

177.8288, 239.0067

0.0000

183.6180,
218.5544, 289.7930

■ 16.3184, 22.4846,
36.7376

■ 16.3184, 22.4846,
36.7376

■ 16.3185, 22.4845,
36.7380

■ 16.7770, 23.0838,
36.8295

■ 17.4069, 23.7760,
36.9299

■ 18.2815, 24.5995,
37.0428

■ 19.4319, 25.5703,
37.1695

■ 20.8842, 26.7020,
37.3114

■ 22.6618, 28.0065,
37.4695

■ 24.7856, 29.4947,
37.6449

■ 27.2747, 31.1765,
37.8383

■ 30.1468, 33.0611,
38.0507

Harmonies

Analogous

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



15.4013, 22.4846, 25.8258



16.3184, 22.4846, 36.7376



18.5848, 22.4846, 45.8856

Triad

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



16.3184, 22.4846, 36.7376



27.9188, 22.4846, 33.8217



20.9133, 22.4846, 9.9768

Complementary

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



16.3184, 22.4846, 36.7376



14.6831, 7.8450, 0.7410

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.



24.4225, 22.4846, 11.0490



16.3184, 22.4846, 36.7376



28.7126, 22.4846, 23.1855

Square

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



16.3184, 22.4846, 36.7376



25.3055, 22.4846, 43.9081



27.3716, 22.4846, 15.3090



17.8669, 22.4846, 11.8440

Rectangle

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



16.3184, 22.4846, 36.7376



20.6808, 22.4846, 48.7167



27.3716, 22.4846, 15.3090



22.0763, 22.4846, 10.0095

Sweetspot

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



16.3191, 22.4854, 36.7382



44.7560, 53.3834, 68.3317



12.6649, 25.1796, 4.6837



9.4684, 11.4667, 14.9579



76.7382, 80.7346, 87.9200



13.3056, 13.9985, 15.2444

Same Dimension

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



16.3191, 22.4854, 36.7382



29.5445, 40.6555, 66.6767



8.1798, 6.2067, 34.0250



6.7651, 7.3960, 8.4777



12.7298, 17.5512, 28.6240



0.2423, 0.3433, 0.5167

Inverse Universe

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



19.5319, 9.4879, 27.1883



35.4202, 17.2089, 49.1384



18.6813, 15.8413, 2.0737



6.8756, 6.7431, 8.1958



15.2236, 7.3940, 21.2265



0.2796, 0.1352, 0.4187

Previews

White Background



This preview shows how the XYZ color 16.3184, 22.4846, 36.7376 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 16.3184, 22.4846, 36.7376 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

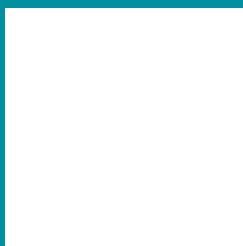
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 16.3184, 22.4846, 36.7376

Background



This preview shows how black text looks on a background with the XYZ color 16.3184, 22.4846, 36.7376.

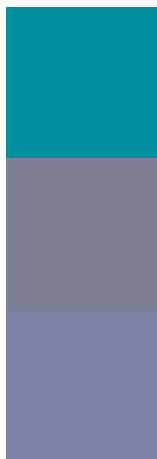


This preview shows how white text looks on a background with the XYZ color 16.3184, 22.4846,

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

16.3184, 22.4846, 36.7376

Protanopia

21.9595, 22.3381, 32.0085

Deuteranopia

22.7477, 22.2191, 38.2117



Tritanopia

15.9740, 22.3468, 34.9239

Trichromacy



Original Color

16.3184, 22.4846, 36.7376

Protanomaly

17.6661, 21.0888, 33.7113

Deuteranomaly

18.3067, 21.1249, 37.7630

Tritanomaly

16.0591, 22.3808, 35.3718

Monochromacy



Original Color

16.3184, 22.4846, 36.7376

Achromatopsia

12.8919, 13.5633, 14.7705

Achromatomaly

12.3633, 15.5704, 21.4225

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.3184, 22.4846, 36.7376 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(0, 144, 160)` looks like.

```
.text, #text, p{  
    color:rgb(0, 144, 160)  
}
```

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(0, 144, 160) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 144, 160) }
```

Border

The CSS property to change the border of an element to XYZ 16.3184, 22.4846, 36.7376 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(0, 144, 160) }
```


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

```
.border{ border-color:rgb(0, 144, 160) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 144, 160)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 144, 160); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 144, 160);  
box-shadow:4px 4px 4px 4px rgb(0, 144,  
160) }
```

Background

The CSS property to change the background color of an element to XYZ 16.3184, 22.4846, 36.7376 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 144, 160) }
```

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

```
.background{ background-color: rgb(0, 144,  
160) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor