

Converting Colors

XYZ(18.3994, 24.6965, 37.5154)

Have a look what the booklet for
XYZ(18.3994, 24.6965, 37.5154)
contains.

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Color

**XYZ(18.3994, 24.6965,
37.5154)**

Conversions

Conversions Part 1

Format	Color
Hex	3095A1
RGB	48, 149, 161
RGB Percent	19%, 58%, 63%
CMY	0.8117, 0.4157, 0.3686
CMYK	0.70, 0.07, 0.00, 0.37
HSL	186°, 54%, 41%
HSV	186°, 70%, 63%
XYZ	18.3994, 24.6965, 37.5154
YIQ	120.1690, -64.0480, -17.6800

Conversions

Conversions Part 2

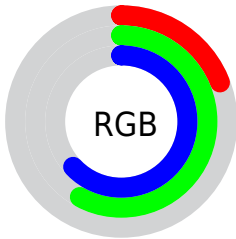
Format	Color
R_{YB}	48, 101, 161
Decimal	3184033
CIE _{Lab}	56.78, -24.46, -14.73
CIE _{LCh}	57, 28.553, 211.056
Yxy	24.6965, 0.2282, 0.3064
Android (android.graphics.Color)	4281374113 (0xFF3095A1)
YUV	120.1690, 20.1297, -63.2922
Hunter-Lab	49.6956, -20.8790, -9.9714




Details

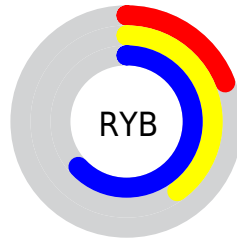
The XYZ color **18.3994, 24.6965, 37.5154** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **16.8479, 11.0229, 4.0367**, and the grayscale version is **17.8599, 18.7900, 20.4623**.




A 20% lighter version of the original color is **40.1810, 50.9847, 72.6890**, and **7.1280, 9.8395, 15.9915** is the 20% darker color. If you saturate the color by 10%, you get **17.5052, 23.8374, 37.3972**, and if you desaturate by 10%, it is **19.5747, 25.7074, 37.6490**.

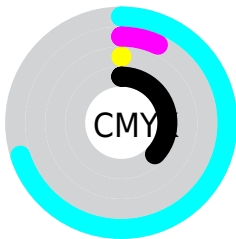
Distribution







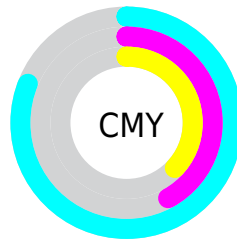
-  Red (19%)
-  Green (58%)
-  Blue (63%)






-  Red (19%)
-  Yellow (40%)
-  Blue (63%)



-  Cyan (70%)
-  Magenta (7%)
-  Yellow (0%)
-  Black (37%)



-  Cyan (81%)
-  Magenta (42%)
-  Yellow (37%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.3994, 24.6965, 37.5154 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 18.3994, 24.6965, 37.5154 by changing the saturation by 10% instead.

■ 18.3994, 24.6965,
37.5154

■ 18.3994, 24.6965,
37.5154

236.1150,
276.3231, 350.7722

■ 11.3385, 15.8511,
25.3079

■ 40.2415, 51.1644,
72.5599

■ 6.3640, 9.4188,
16.0855

■ 55.7534, 69.5557,
96.2340

■ 3.1104, 5.0154,
9.4297

■ 74.8131, 91.8978,
124.5674

■ 1.2124, 2.2563,
4.9219

■ 97.7859, 118.5750,
157.9786

■ 0.1161, 0.7504,
2.1435

■ 125.0371,
149.9717, 196.8861

■ 0.0000, 0.0000,
0.6415

156.9321,

■ 0.0000, 0.0000,

186.4724, 241.7085

0.0000

193.8363,
228.4614, 292.8644

■ 18.3994, 24.6965,
37.5154

■ 18.3994, 24.6965,
37.5154

■ 17.5052, 23.8374,
37.3972

■ 19.5747, 25.7074,
37.6490

■ 16.8582, 23.1111,
37.2911

■ 21.0557, 26.8813,
37.7976

■ 16.3919, 22.4909,
37.1959

■ 22.8666, 28.2313,
37.9627

■ 25.0289, 29.7683,
38.1454

■ 27.5620, 31.5026,
38.3466

■ 30.4840, 33.4433,
38.5672

■ 33.8118, 35.5992,
38.8080

■ 37.5612, 37.9785,
39.0696

■ 41.7471, 40.5890,
39.3529

Harmonies

Analogous

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



17.6302, 24.6965, 27.2302



18.3994, 24.6965, 37.5154



20.5060, 24.6965, 46.3654

Triad

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



18.3994, 24.6965, 37.5154



29.5410, 24.6965, 36.7882



23.3553, 24.6965, 12.3956

Complementary

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



18.3994, 24.6965, 37.5154



16.8479, 11.0229, 4.0367

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.



26.7139, 24.6965, 13.8128



18.3994, 24.6965, 37.5154



30.4828, 24.6965, 26.5533

Square

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



18.3994, 24.6965, 37.5154



26.9376, 24.6965, 45.8805



29.4035, 24.6965, 18.4885



20.3195, 24.6965, 14.0310

Rectangle

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



18.3994, 24.6965, 37.5154



22.4909, 24.6965, 49.4055



29.4035, 24.6965, 18.4885



24.4839, 24.6965, 12.5274

Sweetspot

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



18.4002, 24.6974, 37.5160



48.7743, 56.0219, 68.6292



14.7617, 26.4376, 8.5044



10.4318, 12.1063, 15.0306



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.



18.4002, 24.6974, 37.5160



30.6737, 41.9608, 66.8691



11.5847, 11.0664, 35.2442



7.2116, 7.8822, 9.0444



13.1093, 17.9979, 29.7128



0.2926, 0.4124, 0.6300

Inverse Universe

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



21.1804, 11.8616, 29.6079



36.2228, 18.4205, 50.6190



21.4545, 20.2361, 5.5722



7.3318, 7.1892, 8.7335



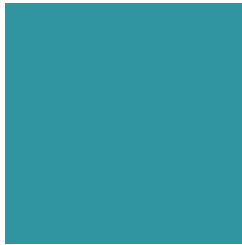
15.7624, 7.6610, 21.7373



0.3398, 0.1644, 0.5023

Previews

White Background



This preview shows how the XYZ color 18.3994, 24.6965, 37.5154 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 18.3994, 24.6965, 37.5154 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

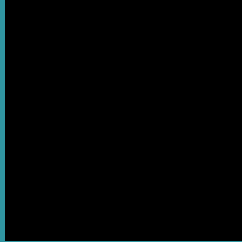
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 18.3994, 24.6965, 37.5154

Background



This preview shows how black text looks on a background with the XYZ color 18.3994, 24.6965, 37.5154.

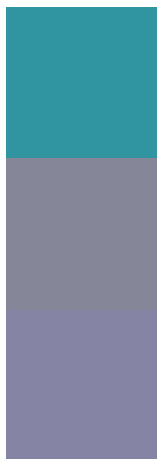


This preview shows how white text looks on a background with the XYZ color 18.3994, 24.6965,

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

18.3994, 24.6965, 37.5154

Protanopia

23.7839, 24.2711, 32.7094

Deuteranopia

24.8743, 24.2875, 38.9742



Tritanopia

18.3994, 24.6965, 37.5154

Trichromacy



Original Color

18.3994, 24.6965, 37.5154

Protanomaly

20.6285, 23.6566, 34.4893

Deuteranomaly

21.3828, 23.7409, 38.5774

Tritanomaly

18.3994, 24.6965, 37.5154

Monochromacy



Original Color

18.3994, 24.6965, 37.5154

Achromatopsia

17.8524, 18.7821, 20.4537

Achromatomaly

17.1056, 20.3616, 25.9503

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.3994, 24.6965, 37.5154 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(48, 149, 161)` looks like.

```
.text, #text, p{  
    color:rgb(48, 149, 161)  
}
```

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(48, 149, 161) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(48, 149, 161) }
```

Border

The CSS property to change the border of an element to XYZ 18.3994, 24.6965, 37.5154 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(48, 149, 161) }
```


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

```
.border{ border-color:rgb(48, 149, 161) }
```

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

Here you see how a box with a 4 pixel `rgb(48, 149, 161)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(48, 149, 161); -webkit-box-  
shadow:4px 4px 4px 4px rgb(48, 149, 161);  
box-shadow:4px 4px 4px 4px rgb(48, 149,  
161) }
```

Background

The CSS property to change the background color of an element to XYZ 18.3994, 24.6965, 37.5154 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(48, 149, 161) }
```

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

```
.background{ background-color: rgb(48, 149,  
161) }
```

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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