

Converting Colors

XYZ(16.3448, 19.9462, 40.0443)

Have a look what the booklet for
XYZ(16.3448, 19.9462, 40.0443)
contains.

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Color

**XYZ(16.2740, 19.8219,
40.0141)**

Conversions

Conversions Part 1

Format	Color
Hex	2A84A8
RGB	42, 132, 168
RGB Percent	16%, 52%, 66%
CMY	0.8353, 0.4823, 0.3412
CMYK	0.75, 0.21, 0.00, 0.34
HSL	197°, 60%, 41%
HSV	197°, 75%, 66%
XYZ	16.2740, 19.8219, 40.0141
YIQ	109.1940, -65.1960, -7.8840

Conversions

Conversions Part 2

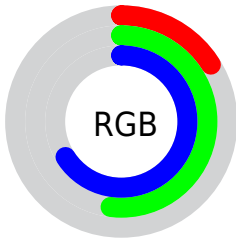
Format	Color
R_{YB}	42, 95, 168
Decimal	2786472
CIE _{Lab}	51.64, -13.89, -26.64
CIE _{LCh}	52, 30.046, 242.471
Yxy	19.8219, 0.2138, 0.2604
Android (android.graphics.Color)	4280976552 (0xFF2A84A8)
YUV	109.1940, 28.9914, -58.9291
Hunter-Lab	44.5218, -12.6662, -22.1218

Details

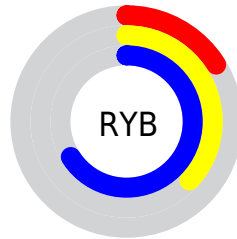
The XYZ color **16.2740, 19.8219, 40.0141** is a dark color, and the websafe version is hex **3399CC**. A complement of this color would be **19.2917, 13.9422, 3.8657**, and the grayscale version is **14.5254, 15.2818, 16.6419**.

A 20% lighter version of the original color is **36.6121, 43.0898, 76.1995**, and **6.2456, 7.4475, 17.6313** is the 20% darker color. If you saturate the color by 10%, you get **15.0895, 18.2673, 39.7769**, and if you desaturate by 10%, it is **17.7778, 21.5862, 40.2758**.

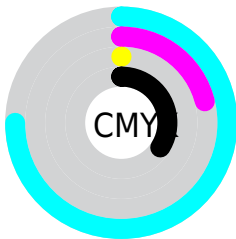
Distribution



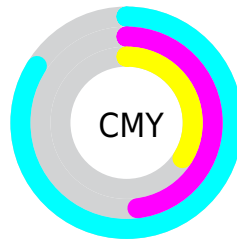
- Red (16%)
- Green (52%)
- Blue (66%)



- Red (16%)
- Yellow (37%)
- Blue (66%)



- Cyan (75%)
- Magenta (21%)
- Yellow (0%)
- Black (34%)



- Cyan (84%)
- Magenta (48%)
- Yellow (34%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.2740, 19.8219, 40.0141 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 16.2740, 19.8219, 40.0141 by changing the saturation by 10% instead.

■ 16.2740, 19.8219,
40.0141

■ 16.2740, 19.8219,
40.0141

■ 224.1919,
250.9493, 361.7369

■ 9.8103, 12.2656,
27.2357

■ 36.6268, 43.1184,
76.4223

■ 5.3347, 6.9249,
17.5163

■ 51.2467, 59.6274,
100.8892

■ 2.4817, 3.4152,
10.4374

■ 69.3161, 79.8895,
130.0892

■ 0.8860, 1.3521,
5.5806

■ 91.2002, 104.2890,
164.4411

■ 0.0000, 0.1810,
2.5271

■ 117.2645,
133.2103, 204.3632

■ 0.0000, 0.0000,
0.8545

■ 147.8743,

■ 0.0000, 0.0000,

167.0379, 250.2742

0.0000

183.3950,
206.1561, 302.5926

■ 16.2740, 19.8219,
40.0141

■ 16.2740, 19.8219,
40.0141

■ 15.0895, 18.2673,
39.7769

■ 17.7778, 21.5862,
40.2758

■ 14.1821, 16.8992,
39.5606

■ 19.6314, 23.5756,
40.5621

■ 13.7842, 16.2597,
39.4582

■ 21.8637, 25.8057,
40.8749

■ 24.4997, 28.2902,
41.2155

■ 27.5626, 31.0415,
41.5851

■ 31.0733, 34.0709,
41.9848

■ 35.0515, 37.3891,
42.4156

■ 39.5158, 41.0062,
42.8785

■ 44.4836, 44.9317,
43.3744

Harmonies

Analogous

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



14.3406, 19.8219, 31.8353



16.2740, 19.8219, 40.0141



19.0924, 19.8219, 42.9084

Triad

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



16.2740, 19.8219, 40.0141



25.2796, 19.8219, 20.8713



15.8826, 19.8219, 10.3459

Complementary

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



16.2740, 19.8219, 40.0141



19.2917, 13.9422, 3.8657

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.



18.5901, 19.8219, 8.8378



16.2740, 19.8219, 40.0141



24.1942, 19.8219, 13.8080

Square

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



16.2740, 19.8219, 40.0141



24.4922, 19.8219, 30.2480



21.6627, 19.8219, 9.9115



14.1323, 19.8219, 14.7538

Rectangle

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



16.2740, 19.8219, 40.0141



21.1554, 19.8219, 40.9604



21.6627, 19.8219, 9.9115



16.7002, 19.8219, 9.5458

Sweetspot

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



16.2747, 19.8226, 40.0146



51.5867, 57.7036, 75.6441



16.3227, 29.0439, 11.8985



10.9037, 12.2793, 16.4476



80.6108, 84.8088, 92.3568



14.7206, 15.4872, 16.8656

Same Dimension

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



16.2747, 19.8226, 40.0146



26.2356, 31.4611, 71.9149



10.1703, 7.6138, 37.9798



7.5637, 8.1644, 9.5956



10.4545, 12.3692, 29.8120



0.2947, 0.3816, 0.7388

Inverse Universe

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



21.1419, 11.6475, 22.9643



36.1918, 18.3188, 36.2345



26.0478, 27.4544, 6.1177



7.7491, 7.6295, 8.9962



14.7775, 7.3197, 14.1719



0.3799, 0.1862, 0.4520

Previews

White Background



This preview shows how the XYZ color 16.2740, 19.8219, 40.0141 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 16.2740, 19.8219, 40.0141 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

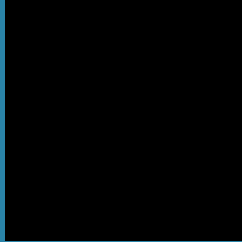
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 16.2740, 19.8219, 40.0141

Background



This preview shows how black text looks on a background with the XYZ color 16.2740, 19.8219, 40.0141.

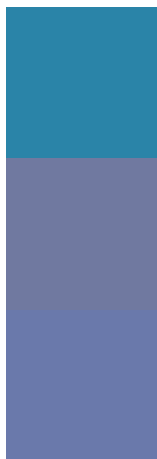


This preview shows how white text looks on a background with the XYZ color 16.2740, 19.8219,

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

16.2740, 19.8219, 40.0141

Protanopia

19.8646, 19.6576, 36.0050

Deuteranopia

20.1319, 19.6792, 41.2655



Tritanopia

14.3799, 19.8743, 30.6820

Trichromacy



Original Color

16.2740, 19.8219, 40.0141

Protanomaly

17.8750, 19.3378, 37.4408

Deuteranomaly

18.1566, 19.4085, 40.8195

Tritanomaly

15.0871, 19.9557, 34.0670

Monochromacy



Original Color

16.2740, 19.8219, 40.0141

Achromatopsia

14.5356, 15.2926, 16.6537

Achromatomaly

14.1369, 16.2656, 23.5136

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.2740, 19.8219, 40.0141 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(42, 132, 168)` looks like.

```
.text, #text, p{  
    color:rgb(42, 132, 168)  
}
```

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(42, 132, 168) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(42, 132, 168) }
```

Border

The CSS property to change the border of an element to XYZ 16.2740, 19.8219, 40.0141 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(42, 132, 168) }
```


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

```
.border{ border-color:rgb(42, 132, 168) }
```

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

Here you see how a box with a 4 pixel `rgb(42, 132, 168)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(42, 132, 168); -webkit-box-  
shadow:4px 4px 4px 4px rgb(42, 132, 168);  
box-shadow:4px 4px 4px 4px rgb(42, 132,  
168) }
```

Background

The CSS property to change the background color of an element to XYZ 16.2740, 19.8219, 40.0141 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(42, 132, 168) }
```

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

```
.background{ background-color: rgb(42, 132,  
168) }
```

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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