

Converting Colors

XYZ(16.7825, 19.8228, 44.5233)

Have a look what the booklet for
XYZ(16.7825, 19.8228, 44.5233)
contains.

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Color

**XYZ(16.7452, 19.7642,
44.5273)**

Conversions

Conversions Part 1

Format	Color
Hex	2383B1
RGB	35, 131, 177
RGB Percent	14%, 51%, 69%
CMY	0.8627, 0.4863, 0.3059
CMYK	0.80, 0.26, 0.00, 0.31
HSL	199°, 67%, 42%
HSV	199°, 80%, 69%
XYZ	16.7452, 19.7642, 44.5273
YIQ	107.5400, -71.9820, -6.0460

Conversions

Conversions Part 2

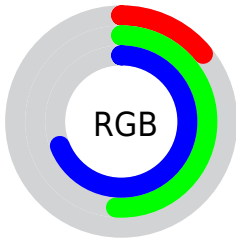
Format	Color
R_{YB}	35, 92, 177
Decimal	2327473
CIE _{Lab}	51.57, -10.95, -31.95
CIE _{LCh}	52, 33.777, 251.084
Yxy	19.7642, 0.2066, 0.2439
Android (android.graphics.Color)	4280517553 (0xFF2383B1)
YUV	107.5400, 34.2438, -63.6176
Hunter-Lab	44.4569, -10.5657, -28.2640

Details

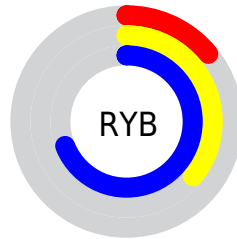
The XYZ color **16.7452, 19.7642, 44.5273** is a dark color, and the websafe version is hex **3399CC**. A complement of this color would be **21.3784, 15.3550, 3.4280**, and the grayscale version is **14.0483, 14.7799, 16.0953**.

A 20% lighter version of the original color is **37.4420, 43.0477, 83.4264**, and **6.6554, 7.4898, 20.1637** is the 20% darker color. If you saturate the color by 10%, you get **15.5402, 18.0314, 44.2568**, and if you desaturate by 10%, it is **18.2971, 21.7397, 44.8272**.

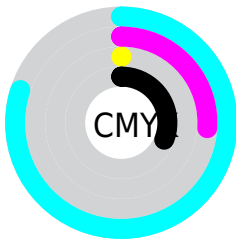
Distribution



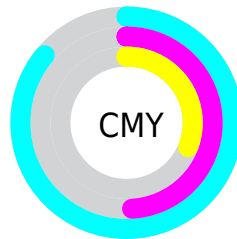
- Red (14%)
- Green (51%)
- Blue (69%)



- Red (14%)
- Yellow (36%)
- Blue (69%)



- Cyan (80%)
- Magenta (26%)
- Yellow (0%)
- Black (31%)



- Cyan (86%)
- Magenta (49%)
- Yellow (31%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.7452, 19.7642, 44.5273 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 16.7452, 19.7642, 44.5273 by changing the saturation by 10% instead.

■ 16.7452, 19.7642,
44.5273

■ 16.7452, 19.7642,
44.5273

226.8847,
250.6357, 380.9599

■ 10.1472, 12.2238,
30.7450

■ 37.4343, 43.0215,
83.3215

■ 5.5597, 6.8963,
20.1479

■ 52.2560, 59.5071,
109.1706

■ 2.6173, 3.3973,
12.3175

■ 70.5497, 79.7433,
139.8790

■ 0.9548, 1.3425,
6.8351

■ 92.6807, 104.1144,
175.8652

■ 0.0000, 0.1738,
3.2823

■ 119.0143,
133.0048, 217.5479

■ 0.0000, 0.0000,
1.2405

■ 149.9160,

■ 0.0000, 0.0000,

166.7988, 265.3455

0.0123

185.7510,
205.8810, 319.6767

■ 0.0000, 0.0000,
0.0000

■ 16.7452, 19.7642,
44.5273

■ 16.7452, 19.7642,
44.5273

■ 15.5402, 18.0314,
44.2568

■ 18.2971, 21.7397,
44.8272

■ 14.6114, 16.5255,
44.0150

■ 20.2345, 23.9779,
45.1571

■ 22.5929, 26.4984,
45.5193

■ 25.4028, 29.3178,
45.9154

■ 28.6917, 32.4513,
46.3469

■ 32.4850, 35.9128,
46.8151

■ 36.8060, 39.7152,
47.3213

■ 41.6765, 43.8708,
47.8667

■ 47.1171, 48.3909,
48.4524

Harmonies

Analogous

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



14.2771, 19.7642, 36.3131



16.7452, 19.7642, 44.5273



20.0700, 19.7642, 45.6104

Triad

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



16.7452, 19.7642, 44.5273



25.9567, 19.7642, 18.1182



14.8093, 19.7642, 10.2700

Complementary

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



16.7452, 19.7642, 44.5273



21.3784, 15.3550, 3.4280

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.



17.5566, 19.7642, 7.8819



16.7452, 19.7642, 44.5273



24.1547, 19.7642, 11.4140

Square

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



16.7452, 19.7642, 44.5273



25.6711, 19.7642, 28.1759



20.9847, 19.7642, 8.2255



13.2560, 19.7642, 16.0044

Rectangle

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



16.7452, 19.7642, 44.5273



22.3657, 19.7642, 41.8596



20.9847, 19.7642, 8.2255



15.6089, 19.7642, 9.1406

Sweetspot

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



16.7459, 19.7649, 44.5278



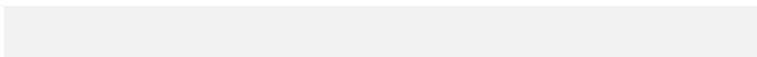
55.2197, 61.6473, 83.4840



17.8628, 32.3809, 12.8932



11.4613, 12.8968, 18.0296



84.5950, 89.0005, 96.9216



16.2198, 17.0645, 18.5832

Same Dimension

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



16.7459, 19.7649, 44.5278



26.5758, 30.2406, 78.9316



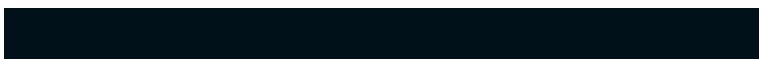
10.3004, 6.8739, 42.3793



8.5060, 9.1581, 10.8257



10.6433, 12.0869, 31.9090



0.3851, 0.4807, 1.0207

Inverse Universe

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



22.8298, 12.1887, 22.6226



38.7548, 19.4126, 34.1084



29.4969, 31.5920, 6.1342



8.7306, 8.5990, 10.0797



15.6069, 7.7603, 13.6217



0.5164, 0.2543, 0.5620

Previews

White Background



This preview shows how the XYZ color 16.7452, 19.7642, 44.5273 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 16.7452, 19.7642, 44.5273 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

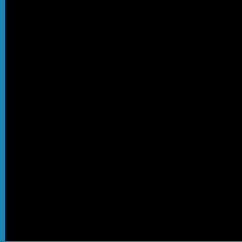
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 16.7452, 19.7642, 44.5273

Background



This preview shows how black text looks on a background with the XYZ color 16.7452, 19.7642, 44.5273.

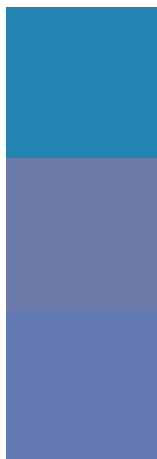


This preview shows how white text looks on a background with the XYZ color 16.7452, 19.7642,

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

16.7452, 19.7642, 44.5273

Protanopia

20.1831, 19.7275, 40.2801

Deuteranopia

20.0111, 19.5261, 45.3620



Tritanopia

14.0706, 19.7149, 30.6675

Trichromacy



Original Color

16.7452, 19.7642, 44.5273

Protanomaly

18.1733, 19.3951, 41.8155

Deuteranomaly

18.2711, 19.3774, 44.8967

Tritanomaly

14.8626, 19.6044, 35.3484

Monochromacy



Original Color

16.7452, 19.7642, 44.5273

Achromatopsia

14.2537, 14.9960, 16.3306

Achromatomaly

13.8724, 15.9336, 24.5346

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.7452, 19.7642, 44.5273 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(35, 131, 177)` looks like.

```
.text, #text, p{  
    color:rgb(35, 131, 177)  
}
```

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(35, 131, 177) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(35, 131, 177) }
```

Border

The CSS property to change the border of an element to XYZ 16.7452, 19.7642, 44.5273 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(35, 131, 177) }
```


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

```
.border{ border-color:rgb(35, 131, 177) }
```

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

Here you see how a box with a 4 pixel `rgb(35, 131, 177)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(35, 131, 177); -webkit-box-  
shadow:4px 4px 4px 4px rgb(35, 131, 177);  
box-shadow:4px 4px 4px 4px rgb(35, 131,  
177) }
```

Background

The CSS property to change the background color of an element to XYZ 16.7452, 19.7642, 44.5273 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(35, 131, 177) }
```

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

```
.background{ background-color: rgb(35, 131,  
177) }
```

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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