

Converting Colors

XYZ(16.2694, 17.8583, 41.6192)

Have a look what the booklet for
XYZ(16.2694, 17.8583, 41.6192)
contains.

XYZ(16.2694, 17.8583, 41.6192)	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(16.2694, 17.8583,
41.6192)**

Conversions

Conversions Part 1

Format	Color
Hex	3C7AAC
RGB	60, 122, 172
RGB Percent	24%, 48%, 67%
CMY	0.7647, 0.5216, 0.3255
CMYK	0.65, 0.29, 0.00, 0.33
HSL	207°, 48%, 45%
HSV	207°, 65%, 67%
XYZ	16.2694, 17.8583, 41.6192
YIQ	109.1620, -53.0020, 2.4060

Conversions

Conversions Part 2

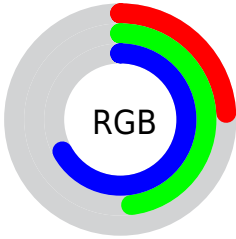
Format	Color
R _Y B	60, 100, 172
Decimal	3963564
CIE Lab	49.32, -3.95, -32.52
CIE LCh	49, 32.759, 263.075
Yxy	17.8583, 0.2148, 0.2358
Android (android.graphics.Color)	4282153644 (0xFF3C7AAC)
YUV	109.1620, 30.9791, -43.1151
Hunter-Lab	42.2591, -5.2324, -28.8109

Details

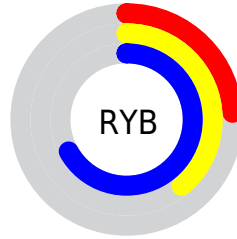
The XYZ color **16.2694, 17.8583, 41.6192** is a dark color, and the websafe version is hex **336699**. A complement of this color would be **23.4056, 20.2500, 6.9508**, and the grayscale version is **14.5081, 15.2637, 16.6221**.

A 20% lighter version of the original color is **36.6109, 39.7251, 79.1369**, and **5.7786, 6.2295, 18.3506** is the 20% darker color. If you saturate the color by 10%, you get **14.4884, 15.5956, 41.2767**, and if you desaturate by 10%, it is **18.4639, 20.4454, 42.0032**.

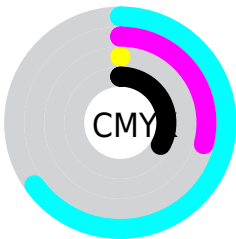
Distribution



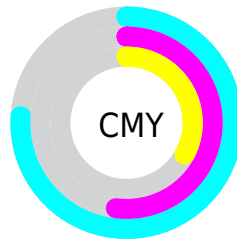
- Red (24%)
- Green (48%)
- Blue (67%)



- Red (24%)
- Yellow (39%)
- Blue (67%)



- Cyan (65%)
- Magenta (29%)
- Yellow (0%)
- Black (33%)



- Cyan (76%)
- Magenta (52%)
- Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.2694, 17.8583, 41.6192 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 16.2694, 17.8583, 41.6192 by changing the saturation by 10% instead.

■ 16.2694, 17.8583,
41.6192

■ 16.2694, 17.8583,
41.6192

224.1655,
240.0711, 368.6549

■ 9.8070, 10.8483,
28.4799

■ 36.6189, 39.7957,
78.8868

■ 5.3325, 5.9649,
18.4455

■ 51.2368, 55.4919,
103.8522

■ 2.4804, 2.8238,
11.0976

■ 69.3040, 74.8524,
133.5967

■ 0.8854, 1.0404,
6.0175

■ 91.1857, 98.2614,
168.5389

■ 0.0000, 0.0000,
2.7868

■ 117.2473,
126.1033, 209.0973

■ 0.0000, 0.0000,
0.9868

147.8543,

■ 0.0000, 0.0000,

158.7627, 255.6904

0.0000

183.3719,
196.6238, 308.7367

■ 16.2694, 17.8583,
41.6192

■ 16.2694, 17.8583,
41.6192

■ 14.4884, 15.5956,
41.2767

■ 18.4639, 20.4454,
42.0032

■ 13.0831, 13.6344,
40.9722

■ 21.1011, 23.3735,
42.4294

■ 12.0102, 11.9499,
40.7036

■ 24.2098, 26.6600,
42.9000

■ 11.5578, 11.2014,
40.5830

■ 27.8153, 30.3205,
43.4165

■ 31.9412, 34.3692,
43.9805

■ 36.6094, 38.8197,
44.5935

■ 41.8406, 43.6848,
45.2568

■ 47.6543, 48.9765,
45.9718

■ 54.0690, 54.7064,
46.7397

Harmonies

Analogous

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



13.6575, 17.8583, 36.4066



16.2694, 17.8583, 41.6192



19.4032, 17.8583, 39.6038

Triad

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



16.2694, 17.8583, 41.6192



23.0284, 17.8583, 13.5241



12.6646, 17.8583, 10.9287

Complementary

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



16.2694, 17.8583, 41.6192



23.4056, 20.2500, 6.9508

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.



14.7561, 17.8583, 7.6395



16.2694, 17.8583, 41.6192



20.7876, 17.8583, 8.7903

Square

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



16.2694, 17.8583, 41.6192



23.5603, 17.8583, 21.5631



17.6982, 17.8583, 6.9966



11.7457, 17.8583, 17.4697

Rectangle

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



16.2694, 17.8583, 41.6192



21.3498, 17.8583, 34.6582



17.6982, 17.8583, 6.9966



13.2407, 17.8583, 9.4976

Sweetspot

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



16.2700, 17.8589, 41.6196



53.8991, 58.4082, 79.2389



19.3519, 31.5603, 19.4095



11.2811, 12.2669, 17.1609



82.5889, 86.8899, 94.6231



15.4596, 16.2647, 17.7123

Same Dimension

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



16.2700, 17.8589, 41.6196



25.1121, 26.7033, 74.6365



11.3457, 8.0101, 39.9782



7.9326, 8.4646, 10.1684



8.6563, 8.4464, 30.2186



0.2943, 0.3420, 0.8585

Inverse Universe

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



22.1425, 13.4083, 19.8339



37.1868, 20.2222, 29.2430



31.2005, 35.8396, 9.5491



8.1838, 8.0868, 9.2787



14.2329, 7.1557, 8.8721



0.4230, 0.2099, 0.3891

Previews

White Background



This preview shows how the XYZ color 16.2694, 17.8583, 41.6192 looks on a white 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

Black Background



This preview shows how the XYZ color 16.2694, 17.8583, 41.6192 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

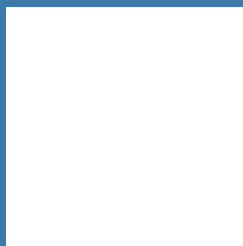
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 16.2694, 17.8583, 41.6192

Background



This preview shows how black text looks on a background with the XYZ color 16.2694, 17.8583, 41.6192.



This preview shows how white text looks on a background with the XYZ color 16.2694, 17.8583,

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

16.2694, 17.8583, 41.6192

Protanopia

18.2692, 17.7240, 38.5346

Deuteranopia

18.2018, 17.7832, 42.0083



Tritanopia

13.2938, 17.7738, 27.1561

Trichromacy



Original Color

16.2694, 17.8583, 41.6192

Protanomaly

17.2926, 17.7153, 39.5538

Deuteranomaly

17.3295, 17.6795, 42.0343

Tritanomaly

14.2657, 17.7845, 31.9590

Monochromacy



Original Color

16.2694, 17.8583, 41.6192

Achromatopsia

14.5356, 15.2926, 16.6537

Achromatomaly

14.4966, 15.9247, 24.1395

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.2694, 17.8583, 41.6192 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(60, 122, 172)` looks like.

```
.text, #text, p{  
    color:rgb(60, 122, 172)  
}
```

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(60, 122, 172) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(60, 122, 172) }
```

Border

The CSS property to change the border of an element to XYZ 16.2694, 17.8583, 41.6192 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(60, 122, 172) }
```


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

```
.border{ border-color:rgb(60, 122, 172) }
```

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

Here you see how a box with a 4 pixel `rgb(60, 122, 172)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(60, 122, 172); -webkit-box-  
shadow:4px 4px 4px 4px rgb(60, 122, 172);  
box-shadow:4px 4px 4px 4px rgb(60, 122,  
172) }
```

Background

The CSS property to change the background color of an element to XYZ 16.2694, 17.8583, 41.6192 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(60, 122, 172) }
```

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

```
.background{ background-color: rgb(60, 122,  
172) }
```

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