

Converting Colors

XYZ(16.2846, 18.6463, 41.5911)

Have a look what the booklet for
XYZ(16.2846, 18.6463, 41.5911)
contains.

XYZ(16.2725, 18.6041, 41.7630)	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(16.2725, 18.6041,
41.7630)**

Conversions

Conversions Part 1

Format	Color
Hex	337EAC
RGB	51, 126, 172
RGB Percent	20%, 49%, 67%
CMY	0.8000, 0.5059, 0.3255
CMYK	0.70, 0.27, 0.00, 0.33
HSL	203°, 54%, 44%
HSV	203°, 70%, 67%
XYZ	16.2725, 18.6041, 41.7630
YIQ	108.8190, -59.4660, -1.5940

Conversions

Conversions Part 2

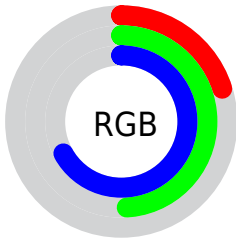
Format	Color
R _Y B	51, 97, 172
Decimal	3374764
CIE Lab	50.22, -7.80, -31.14
CIE LCh	50, 32.102, 255.940
Yxy	18.6041, 0.2123, 0.2427
Android (android.graphics.Color)	4281564844 (0xFF337EAC)
YUV	108.8190, 31.1482, -50.7073
Hunter-Lab	43.1325, -8.1395, -27.2148

Details

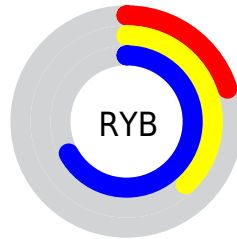
The XYZ color **16.2725, 18.6041, 41.7630** is a dark color, and the websafe version is hex **006699**. A complement of this color would be **21.8864, 17.5604, 5.3688**, and the grayscale version is **14.4121, 15.1627, 16.5122**.

A 20% lighter version of the original color is **36.8058, 41.2864, 79.4280**, and **5.9837, 6.6397, 18.4190** is the 20% darker color. If you saturate the color by 10%, you get **14.7518, 16.6195, 41.4604**, and if you desaturate by 10%, it is **18.1697, 20.8646, 42.0997**.

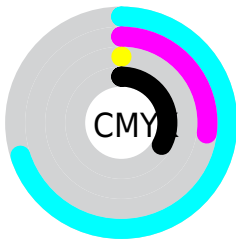
Distribution



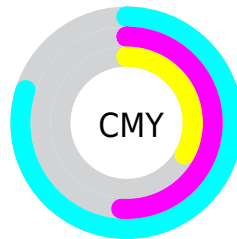
- Red (20%)
- Green (49%)
- Blue (67%)



- Red (20%)
- Yellow (38%)
- Blue (67%)



- Cyan (70%)
- Magenta (27%)
- Yellow (0%)
- Black (33%)



- Cyan (80%)
- Magenta (51%)
- Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.2725, 18.6041, 41.7630 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 16.2725, 18.6041, 41.7630 by changing the saturation by 10% instead.

■ 16.2725, 18.6041,
41.7630

■ 16.2725, 18.6041,
41.7630

224.1833,
244.2544, 369.2702

■ 9.8093, 11.3846,
28.5916

■ 36.6243, 41.0640,
79.1070

■ 5.3340, 6.3261,
18.5292

■ 51.2435, 57.0732,
104.1167

■ 2.4813, 3.0444,
11.1572

■ 69.3121, 76.7811,
133.9095

■ 0.8858, 1.1549,
6.0572

■ 91.1955, 100.5720,
168.9041

■ 0.0000, 0.0244,
2.8105

■ 117.2589,
128.8304, 209.5189

■ 0.0000, 0.0000,
0.9987

147.8678,

■ 0.0000, 0.0000,

161.9407, 256.1725

0.0000

183.3874,
200.2872, 309.2834

■ 16.2725, 18.6041,
41.7630

■ 16.2725, 18.6041,
41.7630

■ 14.7518, 16.6195,
41.4604

■ 18.1697, 20.8646,
42.0997

■ 13.5673, 14.8874,
41.1886

■ 20.4741, 23.4174,
42.4710

■ 12.6636, 13.4128,
40.9516

■ 23.2154, 26.2795,
42.8790

■ 26.4195, 29.4658,
43.3251

■ 30.1104, 32.9899,
43.8108

■ 34.3103, 36.8646,
44.3373

■ 39.0399, 41.1020,
44.9059

■ 44.3187, 45.7135,
45.5178

■ 50.1652, 50.7097,
46.1740

Harmonies

Analogous

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



13.8498, 18.6041, 35.1833



16.2725, 18.6041, 41.7630



19.3723, 18.6041, 41.5283

Triad

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



16.2725, 18.6041, 41.7630



24.0621, 18.6041, 15.9172



13.7325, 18.6041, 10.5464

Complementary

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



16.2725, 18.6041, 41.7630



21.8864, 17.5604, 5.3688

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.



16.0942, 18.6041, 7.8687



16.2725, 18.6041, 41.7630



22.1645, 18.6041, 10.2919

Square

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



16.2725, 18.6041, 41.7630



24.1244, 18.6041, 24.6976



19.1720, 18.6041, 7.7917



12.5037, 18.6041, 16.3829

Rectangle

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



16.2725, 18.6041, 41.7630



21.4206, 18.6041, 37.4786



19.1720, 18.6041, 7.7917



14.4069, 18.6041, 9.3331

Sweetspot

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



16.2732, 18.6047, 41.7635



53.8914, 59.1594, 79.3843



18.2008, 31.0423, 15.9478



11.3113, 12.4778, 17.2000



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.



16.2732, 18.6047, 41.7635



25.5815, 28.4736, 74.9534



10.8276, 7.7136, 39.9483



7.9767, 8.5527, 10.1831



9.4779, 10.0896, 30.4925



0.3142, 0.3818, 0.8651

Inverse Universe

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



21.9636, 12.6455, 21.0225



37.2207, 19.4585, 31.8177



29.4775, 32.7426, 7.8992



8.2060, 8.0957, 9.3957



14.6476, 7.3216, 11.0558



0.4330, 0.2139, 0.4420

Previews

White Background



This preview shows how the XYZ color 16.2725, 18.6041, 41.7630 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 16.2725, 18.6041, 41.7630 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

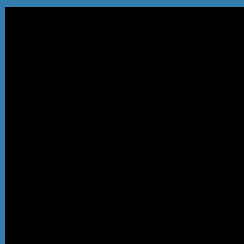
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

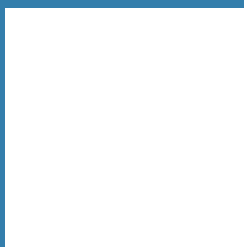
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 16.2725, 18.6041, 41.7630

Background



This preview shows how black text looks on a background with the XYZ color 16.2725, 18.6041, 41.7630.

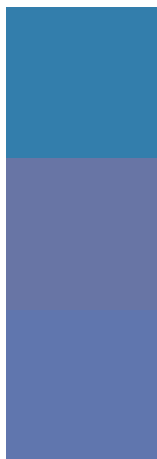


This preview shows how white text looks on a background with the XYZ color 16.2725, 18.6041,

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

16.2725, 18.6041, 41.7630

Protanopia

18.8617, 18.3822, 38.1513

Deuteranopia

18.9423, 18.4997, 42.6168



Tritanopia

13.6126, 18.7024, 28.4836

Trichromacy



Original Color

16.2725, 18.6041, 41.7630

Protanomaly

17.5307, 18.1914, 39.6331

Deuteranomaly

17.6885, 18.3973, 42.1539

Tritanomaly

14.4600, 18.6402, 32.9728

Monochromacy



Original Color

16.2725, 18.6041, 41.7630

Achromatopsia

14.5356, 15.2926, 16.6537

Achromatomaly

14.3201, 16.0021, 24.1638

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.2725, 18.6041, 41.7630 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(51, 126, 172)` looks like.

```
.text, #text, p{  
    color:rgb(51, 126, 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(51, 126, 172) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(51, 126, 172) }
```

Border

The CSS property to change the border of an element to XYZ 16.2725, 18.6041, 41.7630 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(51, 126, 172) }
```


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

```
.border{ border-color:rgb(51, 126, 172) }
```

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

Here you see how a box with a 4 pixel `rgb(51, 126, 172)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(51, 126, 172); -webkit-box-  
shadow:4px 4px 4px 4px rgb(51, 126, 172);  
box-shadow:4px 4px 4px 4px rgb(51, 126,  
172) }
```

Background

The CSS property to change the background color of an element to XYZ 16.2725, 18.6041, 41.7630 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(51, 126, 172) }
```

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

```
.background{ background-color: rgb(51, 126,  
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