

Converting Colors

XYZ(14.2772, 17.9248, 32.7982)

Have a look what the booklet for
XYZ(14.2772, 17.9248, 32.7982)
contains.

XYZ(14.2940, 17.9709, 32.8523)	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(14.2940, 17.9709,
32.8523)**

Conversions

Conversions Part 1

Format	Color
Hex	2A7F99
RGB	42, 127, 153
RGB Percent	16%, 50%, 60%
CMY	0.8353, 0.5020, 0.4000
CMYK	0.73, 0.17, 0.00, 0.40
HSL	194°, 57%, 38%
HSV	194°, 73%, 60%
XYZ	14.2940, 17.9709, 32.8523
YIQ	104.5490, -59.0060, -9.9340

Conversions

Conversions Part 2

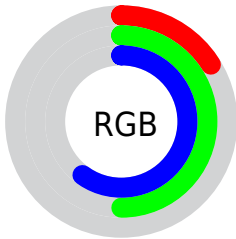
Format	Color
RYB	42, 90, 153
Decimal	2785177
CIELab	49.46, -16.26, -21.28
CIElCh	49, 26.783, 232.607
Yxy	17.9709, 0.2195, 0.2760
Android (android.graphics.Color)	4280975257 (0xFF2A7F99)
YUV	104.5490, 23.8863, -54.8555
Hunter-Lab	42.3921, -13.9986, -16.2731

Details

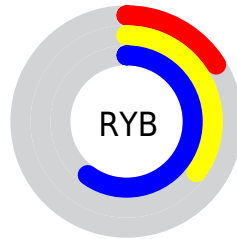
The XYZ color **14.2940, 17.9709, 32.8523** is a dark color, and the websafe version is hex **0099CC**. A complement of this color would be **15.6226, 11.0746, 3.5054**, and the grayscale version is **13.2554, 13.9457, 15.1869**.

A 20% lighter version of the original color is **33.1773, 40.0311, 65.0096**, and **5.1227, 6.4081, 13.5373** is the 20% darker color. If you saturate the color by 10%, you get **13.3290, 16.7988, 32.6773**, and if you desaturate by 10%, it is **15.5155, 19.3004, 33.0449**.

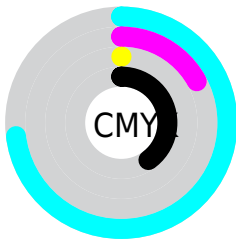
Distribution



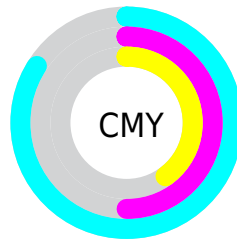
- Red (16%)
- Green (50%)
- Blue (60%)



- Red (16%)
- Yellow (35%)
- Blue (60%)



- Cyan (73%)
- Magenta (17%)
- Yellow (0%)
- Black (40%)



- Cyan (84%)
- Magenta (50%)
- Yellow (40%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 14.2940, 17.9709, 32.8523 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 14.2940, 17.9709, 32.8523 by changing the saturation by 10% instead.

■ 14.2940, 17.9709,
32.8523

■ 14.2940, 17.9709,
32.8523

■ 212.5264,
240.7070, 329.5952

■ 8.4085, 10.9291,
21.7431

■ 33.1917, 39.9877,
65.2582

■ 4.4114, 6.0192,
13.4718

■ 46.9346, 55.7316,
87.3920

■ 1.9374, 2.8567,
7.6197

■ 64.0274, 75.1448,
114.0378

■ 0.5984, 1.0574,
3.7683

■ 84.8354, 98.6120,
145.6141

■ 0.0000, 0.0000,
1.4991

■ 109.7239,
126.5174, 182.5395

■ 0.0000, 0.0000,
0.2173

■ 139.0584,

■ 0.0000, 0.0000,

159.2454, 225.2324

0.0000

173.2041,
197.1805, 274.1115

■ 14.2940, 17.9709,
32.8523

■ 14.2940, 17.9709,
32.8523

■ 13.3290, 16.7988,
32.6773

■ 15.5155, 19.3004,
33.0449

■ 12.5898, 15.7670,
32.5171

■ 17.0164, 20.7982,
33.2549

■ 12.1300, 15.0603,
32.4049

■ 18.8188, 22.4764,
33.4838

■ 20.9419, 24.3452,
33.7326

■ 23.4036, 26.4139,
34.0022

■ 26.2201, 28.6911,
34.2933

■ 29.4067, 31.1850,
34.6067

■ 32.9777, 33.9032,
34.9432

■ 36.9467, 36.8529,
35.3033

Harmonies

Analogous

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



12.9725, 17.9709, 25.4255



14.2940, 17.9709, 32.8523



16.4625, 17.9709, 36.8875

Triad

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



14.2940, 17.9709, 32.8523



22.3727, 17.9709, 21.4150



15.2784, 17.9709, 9.3189

Complementary

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



14.2940, 17.9709, 32.8523



15.6226, 11.0746, 3.5054

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.



17.7143, 17.9709, 8.7489



14.2940, 17.9709, 32.8523



21.9760, 17.9709, 14.6860

Square

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



14.2940, 17.9709, 32.8523



21.2440, 17.9709, 29.3044



20.2081, 17.9709, 10.4554



13.5005, 17.9709, 12.2683

Rectangle

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



14.2940, 17.9709, 32.8523



18.1646, 17.9709, 36.5527



20.2081, 17.9709, 10.4554



16.0410, 17.9709, 8.8782

Sweetspot

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



14.2946, 17.9715, 32.8527



41.9645, 47.3464, 60.8990



13.3870, 23.6913, 9.3211



9.0155, 10.2471, 13.4202



72.9764, 76.7769, 83.6100



11.9732, 12.5967, 13.7178

Same Dimension

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



14.2946, 17.9715, 32.8527



23.0090, 28.9156, 58.3405



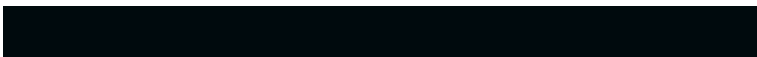
8.9970, 7.3763, 31.0869



6.2619, 6.7812, 7.9078



10.0514, 12.4994, 26.7906



0.1770, 0.2404, 0.4094

Inverse Universe

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



17.7961, 9.9612, 21.0640



30.0961, 15.3422, 33.8885



20.6881, 21.2056, 5.1939



6.3993, 6.2989, 7.4829



13.5322, 6.6671, 14.5936



0.2158, 0.1051, 0.2893

Previews

White Background



This preview shows how the XYZ color 14.2940, 17.9709, 32.8523 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 14.2940, 17.9709, 32.8523 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 14.2940, 17.9709, 32.8523

Background



This preview shows how black text looks on a background with the XYZ color 14.2940, 17.9709, 32.8523.

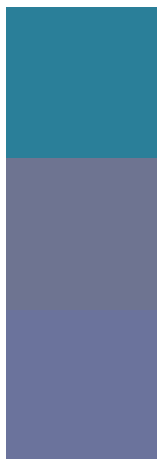


This preview shows how white text looks on a background with the XYZ color 14.2940, 17.9709,

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

14.2940, 17.9709, 32.8523

Protanopia

17.7866, 17.8501, 29.2960

Deuteranopia

18.1949, 17.7876, 33.9269



Tritanopia

13.1795, 17.9010, 27.5716

Trichromacy



Original Color

14.2940, 17.9709, 32.8523

Protanomaly

15.8081, 17.5024, 30.5621

Deuteranomaly

16.0805, 17.3992, 33.5212

Tritanomaly

13.5576, 17.8577, 29.5204

Monochromacy



Original Color

14.2940, 17.9709, 32.8523

Achromatopsia

13.4271, 14.1263, 15.3836

Achromatomaly

12.8977, 15.0092, 20.6296

CSS Examples

Text

The CSS property to change the color of the text to XYZ 14.2940, 17.9709, 32.8523 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, 127, 153)` looks like.

```
.text, #text, p{  
    color:rgb(42, 127, 153)  
}
```

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, 127, 153) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(42, 127, 153) }
```

Border

The CSS property to change the border of an element to XYZ 14.2940, 17.9709, 32.8523 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, 127, 153) }
```


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

```
.border{ border-color:rgb(42, 127, 153) }
```

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

Here you see how a box with a 4 pixel `rgb(42, 127, 153)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(42, 127, 153); -webkit-box-  
shadow:4px 4px 4px 4px rgb(42, 127, 153);  
box-shadow:4px 4px 4px 4px rgb(42, 127,  
153) }
```

Background

The CSS property to change the background color of an element to XYZ 14.2940, 17.9709, 32.8523 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(42, 127, 153) }
```

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

```
.background{ background-color: rgb(42, 127,  
153) }
```

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