

Converting Colors

XYZ(17.7683, 14.0489, 67.2505)

Have a look what the booklet for
XYZ(17.7683, 14.0489, 67.2505)
contains.

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Color

**XYZ(17.7953, 14.0727,
67.4240)**

Conversions

Conversions Part 1

Format	Color
Hex	2B61D9
RGB	43, 97, 217
RGB Percent	17%, 38%, 85%
CMY	0.8313, 0.6196, 0.1490
CMYK	0.80, 0.55, 0.00, 0.15
HSL	221°, 70%, 51%
HSV	221°, 80%, 85%
XYZ	17.7953, 14.0727, 67.4240
YIQ	94.5340, -70.7040, 25.8720

Conversions

Conversions Part 2

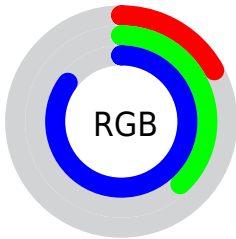
Format	Color
R_{YB}	43, 84, 217
Decimal	2843097
CIE _{Lab}	44.34, 25.97, -66.44
CIE _{LCh}	44, 71.334, 291.346
Yxy	14.0727, 0.1792, 0.1417
Android (android.graphics.Color)	4281033177 (0xFF2B61D9)
YUV	94.5340, 60.3757, -45.1953
Hunter-Lab	37.5136, 19.0261, -80.3037

Details

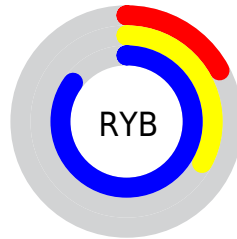
The XYZ color **17.7953, 14.0727, 67.4240** is a dark color, and the websafe version is hex **3366CC**. The color can be described as dark washed azure. A complement of this color would be **42.1517, 41.1263, 8.0035**, and the grayscale version is **10.6402, 11.1944, 12.1906**.

A 20% lighter version of the original color is **35.6862, 31.8004, 98.8650**, and **7.6610, 5.0292, 34.2852** is the 20% darker color. If you saturate the color by 10%, you get **15.8602, 11.2122, 66.9742**, and if you desaturate by 10%, it is **20.4761, 17.7049, 67.9842**.

Distribution



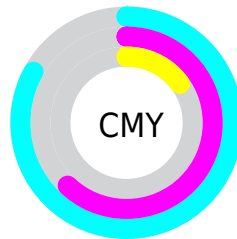
- Red (17%)
- Green (38%)
- Blue (85%)



- Red (17%)
- Yellow (33%)
- Blue (85%)



- Cyan (80%)
- Magenta (55%)
- Yellow (0%)
- Black (15%)



- Cyan (83%)
- Magenta (62%)
- Yellow (15%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 17.7953, 14.0727, 67.4240 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 17.7953, 14.0727, 67.4240 by changing the saturation by 10% instead.

■ 17.7953, 14.0727,
67.4240

■ 17.7953, 14.0727,
67.4240

232.7827,
217.6826, 469.9950

■ 10.9019, 8.1712,
48.9655

■ 39.2210, 33.2180,
117.1742

■ 6.0677, 4.2047,
34.2267

■ 54.4841, 47.2306,
149.3029

■ 2.9274, 1.7887,
22.7891

■ 73.2678, 64.7157,
186.8255

■ 1.1155, 0.4801,
14.2340

■ 95.9374, 86.0577,
230.1605

■ 0.0380, 0.0000,
8.1430

■ 122.8584,
111.6410, 279.7264

■ 0.0000, 0.0000,
4.0975

154.3960,

■ 0.0000, 0.0000,

141.8500, 335.9418

1.6790

190.9156,
177.0691, 399.2251

■ 0.0000, 0.0000,
0.3463

■ 0.0000, 0.0000,
0.0000

■ 17.7953, 14.0727,
67.4240

■ 17.7953, 14.0727,
67.4240

■ 15.8602, 11.2122,
66.9742

■ 20.4761, 17.7049,
67.9842

■ 14.5514, 9.0636,
66.6285

■ 23.9813, 22.1696,
68.6612

■ 28.3810, 27.5216,
69.4623

■ 33.7366, 33.8101,
70.3939

■ 40.1038, 41.0805,
71.4616

■ 47.5338, 49.3749,
72.6710

■ 56.0744, 58.7329,
74.0271

■ 65.7701, 69.1918,
75.5349

■ 76.6631, 80.7870,
77.1989

Harmonies

Analogous

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



11.7870, 14.0727, 72.3839



17.7953, 14.0727, 67.4240



23.9434, 14.0727, 44.6479

Triad

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



17.7953, 14.0727, 67.4240



21.4954, 14.0727, 1.5357



5.1785, 14.0727, 11.0525

Complementary

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



17.7953, 14.0727, 67.4240



42.1517, 41.1263, 8.0035

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.



6.4901, 14.0727, 2.8630



17.7953, 14.0727, 67.4240



15.1010, 14.0727, 0.4139

Square

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



17.7953, 14.0727, 67.4240



26.4688, 14.0727, 6.4746



9.7560, 14.0727, 0.6993



5.5203, 14.0727, 29.8987

Rectangle

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



17.7953, 14.0727, 67.4240



26.7486, 14.0727, 27.7777



9.7560, 14.0727, 0.6993



5.4228, 14.0727, 7.2903

Sweetspot

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



17.7960, 14.0731, 67.4244



63.9881, 66.1455, 104.0026



32.3230, 52.7451, 42.6154



12.8823, 13.2478, 22.1281



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



17.7960, 14.0731, 67.4244



21.5180, 13.9666, 96.1694



16.2837, 8.2309, 66.3765



12.6666, 13.2730, 16.5465



8.8916, 5.6527, 40.3608



0.6515, 0.5171, 2.6399

Inverse Universe

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



31.6375, 17.3437, 12.9894



43.0368, 22.1559, 10.8456



45.2818, 60.1276, 11.5061



13.2216, 13.1177, 14.4282



17.9834, 9.1944, 4.2927



1.2031, 0.6109, 0.4786

Previews

White Background



This preview shows how the XYZ color 17.7953, 14.0727, 67.4240 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 17.7953, 14.0727, 67.4240 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

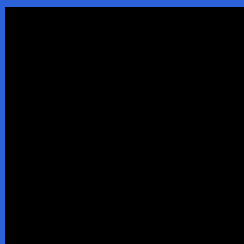
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

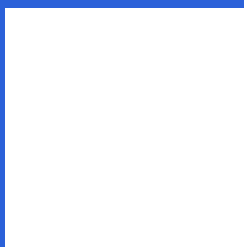
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 17.7953, 14.0727, 67.4240

Background



This preview shows how black text looks on a background with the XYZ color 17.7953, 14.0727, 67.4240.



This preview shows how white text looks on a background with the XYZ color 17.7953, 14.0727,

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

17.7953, 14.0727, 67.4240

Protanopia

16.5674, 13.9184, 64.7641

Deuteranopia

13.9094, 13.9761, 47.3119



Tritanopia

9.8205, 13.9208, 20.9083

Trichromacy



Original Color

17.7953, 14.0727, 67.4240

Protanomaly

16.8131, 13.8889, 65.4130

Deuteranomaly

15.0277, 13.7962, 54.0954

Tritanomaly

11.7681, 13.4818, 33.8803

Monochromacy



Original Color

17.7953, 14.0727, 67.4240

Achromatopsia

10.8771, 11.4435, 12.4620

Achromatomaly

11.8236, 11.7663, 26.0741

CSS Examples

Text

The CSS property to change the color of the text to XYZ 17.7953, 14.0727, 67.4240 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(43, 97, 217)` looks like.

```
.text, #text, p{  
    color:rgb(43, 97, 217)  
}
```

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(43, 97, 217) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(43, 97, 217) }
```

Border

The CSS property to change the border of an element to XYZ 17.7953, 14.0727, 67.4240 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(43, 97, 217) }
```


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

```
.border{ border-color:rgb(43, 97, 217) }
```

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

Here you see how a box with a 4 pixel `rgb(43, 97, 217)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(43, 97, 217); -webkit-box-  
shadow:4px 4px 4px 4px rgb(43, 97, 217);  
box-shadow:4px 4px 4px 4px rgb(43, 97,  
217) }
```

Background

The CSS property to change the background color of an element to XYZ 17.7953, 14.0727, 67.4240 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(43, 97, 217) }
```

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

```
.background{ background-color: rgb(43, 97,  
217) }
```

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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