

Converting Colors

XYZ(17.7967, 14.4789, 67.5027)

Have a look what the booklet for
XYZ(17.7967, 14.4789, 67.5027)
contains.

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Color

**XYZ(17.8091, 14.4992,
67.5056)**

Conversions

Conversions Part 1

Format	Color
Hex	2464D9
RGB	36, 100, 217
RGB Percent	14%, 39%, 85%
CMY	0.8588, 0.6078, 0.1490
CMYK	0.83, 0.54, 0.00, 0.15
HSL	219°, 72%, 50%
HSV	219°, 83%, 85%
XYZ	17.8091, 14.4992, 67.5056
YIQ	94.2020, -75.7010, 22.8190

Conversions

Conversions Part 2

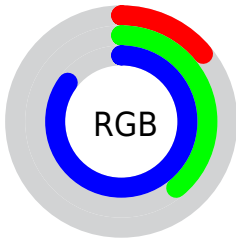
Format	Color
R_{YB}	36, 83, 217
Decimal	2385113
CIE _{Lab}	44.94, 23.44, -65.47
CIE _{LCh}	45, 69.538, 289.698
Yxy	14.4992, 0.1784, 0.1453
Android (android.graphics.Color)	4280575193 (0xFF2464D9)
YUV	94.2020, 60.5394, -51.0432
Hunter-Lab	38.0778, 16.8488, -78.4568




Details

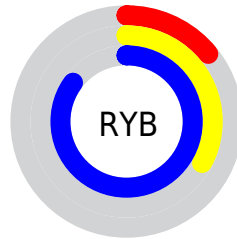
The XYZ color **17.8091, 14.4992, 67.5056** is a dark color, and the websafe version is hex **3366CC**. The color can be described as dark washed azure. A complement of this color would be **40.3283, 37.6677, 6.8155**, and the grayscale version is **10.5627, 11.1127, 12.1018**.




A 20% lighter version of the original color is **35.7664, 32.5434, 99.0042**, and **7.7992, 5.3056, 34.3312** is the 20% darker color. If you saturate the color by 10%, you get **16.0361, 11.7568, 67.0701**, and if you desaturate by 10%, it is **20.2736, 17.9420, 68.0406**.

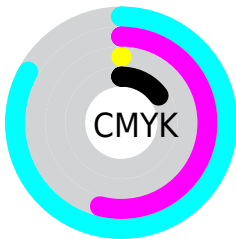
Distribution







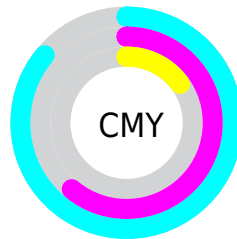
-  Red (14%)
-  Green (39%)
-  Blue (85%)






-  Red (14%)
-  Yellow (33%)
-  Blue (85%)



-  Cyan (83%)
-  Magenta (54%)
-  Yellow (0%)
-  Black (15%)



-  Cyan (86%)
-  Magenta (61%)
-  Yellow (15%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 17.8091, 14.4992, 67.5056 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 17.8091, 14.4992, 67.5056 by changing the saturation by 10% instead.

■ 17.8091, 14.4992,
67.5056

■ 17.8091, 14.4992,
67.5056

232.8593,
220.3146, 470.2927

■ 10.9119, 8.4687,
49.0315

■ 39.2444, 33.9722,
117.2921

■ 6.0745, 4.3963,
34.2787

■ 54.5132, 48.1835,
149.4415

■ 2.9315, 1.8976,
22.8287

■ 73.3032, 65.8904,
186.9865

■ 1.1176, 0.5469,
14.2629

■ 95.9798, 87.4775,
230.3455

■ 0.0398, 0.0000,
8.1629

■ 122.9084,
113.3291, 279.9371

■ 0.0000, 0.0000,
4.1101

154.4542,

■ 0.0000, 0.0000,

143.8295, 336.1798

1.6859

190.9828,
179.3632, 399.4921

■ 0.0000, 0.0000,
0.3511

■ 0.0000, 0.0000,
0.0000

■ 17.8091, 14.4992,
67.5056

■ 17.8091, 14.4992,
67.5056

■ 16.0361, 11.7568,
67.0701

■ 20.2736, 17.9420,
68.0406

■ 15.1585, 10.2778,
66.8309

■ 23.5104, 22.1433,
68.6809

■ 27.5903, 27.1548,
69.4332

■ 32.5745, 33.0226,
70.3031

■ 38.5183, 39.7888,
71.2959

■ 45.4722, 47.4925,
72.4163

■ 53.4831, 56.1703,
73.6691

■ 62.5948, 65.8565,
75.0585

■ 72.8485, 76.5841,
76.5887

Harmonies

Analogous

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



11.9149, 14.4992, 71.0674



17.8091, 14.4992, 67.5056



23.9267, 14.4992, 45.9794

Triad

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



17.8091, 14.4992, 67.5056



22.1418, 14.4992, 1.9178



5.5739, 14.4992, 10.8188

Complementary

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



17.8091, 14.4992, 67.5056



40.3283, 37.6677, 6.8155

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.



7.0059, 14.4992, 2.9533



17.8091, 14.4992, 67.5056



15.8325, 14.4992, 0.6339

Square

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



17.8091, 14.4992, 67.5056



26.8671, 14.4992, 7.4035



10.4114, 14.4992, 0.8400



5.8316, 14.4992, 28.8845

Rectangle

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



17.8091, 14.4992, 67.5056



26.8055, 14.4992, 29.3516



10.4114, 14.4992, 0.8400



5.8539, 14.4992, 7.2176

Sweetspot

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



17.8098, 14.4996, 67.5060



63.5916, 66.3144, 104.0561



31.0979, 52.2241, 37.5664



12.8349, 13.3369, 22.1478



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.



17.8098, 14.4996, 67.5060



21.7188, 14.5576, 96.2729



15.0284, 7.2379, 66.2510



12.7134, 13.3666, 16.5621



9.2665, 6.4024, 40.4858



0.6798, 0.5738, 2.6494

Inverse Universe

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



31.5471, 16.9347, 13.6627



43.0918, 22.0007, 11.6817



47.0908, 61.0738, 10.9770



13.2452, 13.1272, 14.5526



18.1726, 9.2701, 5.2891



1.2174, 0.6166, 0.5540

Previews

White Background



This preview shows how the XYZ color 17.8091, 14.4992, 67.5056 looks on a white background.

Color Contrast Check

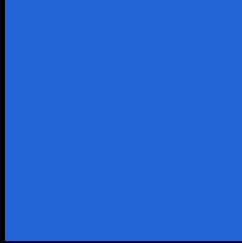
Large Text (above 18pt) WCAG AA ✓ Pass

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 17.8091, 14.4992, 67.5056 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

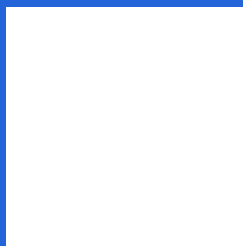
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 17.8091, 14.4992, 67.5056

Background



This preview shows how black text looks on a background with the XYZ color 17.8091, 14.4992, 67.5056.



This preview shows how white text looks on a background with the XYZ color 17.8091, 14.4992,

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

17.8091, 14.4992, 67.5056

Protanopia

17.1460, 14.4606, 66.8532

Deuteranopia

14.3322, 14.3130, 49.0210

Trichromacy



Original Color

17.8091, 14.4992, 67.5056

Protanomaly

17.2143, 14.3508, 66.8284

Deuteranomaly

15.4106, 14.2659, 55.3675

Monochromacy



Original Color

17.8091, 14.4992, 67.5056

Achromatopsia

10.6392, 11.1932, 12.1894

Achromatomaly

11.5907, 11.6463, 26.0632

CSS Examples

Text

The CSS property to change the color of the text to XYZ 17.8091, 14.4992, 67.5056 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(36, 100, 217)` looks like.

```
.text, #text, p{  
    color:rgb(36, 100, 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(36, 100, 217) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(36, 100, 217) }
```

Border

The CSS property to change the border of an element to XYZ 17.8091, 14.4992, 67.5056 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(36, 100, 217) }
```

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

```
.border{ border-color:rgb(36, 100, 217) }
```

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

Here you see how a box with a 4 pixel `rgb(36, 100, 217)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(36, 100, 217); -webkit-box-  
shadow:4px 4px 4px 4px rgb(36, 100, 217);  
box-shadow:4px 4px 4px 4px rgb(36, 100,  
217) }
```


Background

The CSS property to change the background color of an element to XYZ 17.8091, 14.4992, 67.5056 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(36, 100, 217) }
```

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

```
.background{ background-color: rgb(36, 100,  
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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