

Converting Colors

XYZ(17.1825, 17.0245, 48.8351)

Have a look what the booklet for
XYZ(17.1825, 17.0245, 48.8351)
contains.

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Color

**XYZ(17.2227, 17.1259,
48.8523)**

Conversions

Conversions Part 1

Format	Color
Hex	4074BA
RGB	64, 116, 186
RGB Percent	25%, 45%, 73%
CMY	0.7490, 0.5451, 0.2706
CMYK	0.66, 0.38, 0.00, 0.27
HSL	214°, 49%, 49%
HSV	214°, 66%, 73%
XYZ	17.2227, 17.1259, 48.8523
YIQ	108.4320, -53.4620, 10.7460

Conversions

Conversions Part 2

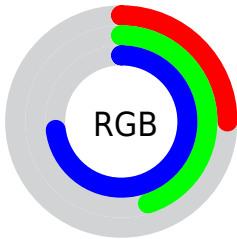
Format	Color
R _Y B	64, 100, 186
Decimal	4224186
CIE Lab	48.42, 5.27, -42.04
CIE LCh	48, 42.374, 277.148
Yxy	17.1259, 0.2070, 0.2058
Android (android.graphics.Color)	4282414266 (0xFF4074BA)
YUV	108.4320, 38.2410, -38.9669
Hunter-Lab	41.3835, 1.8659, -41.0222

Details

The XYZ color **17.2227, 17.1259, 48.8523** is a dark color, and the websafe version is hex **336699**. A complement of this color would be **29.7017, 27.8617, 8.6641**, and the grayscale version is **14.2826, 15.0264, 16.3637**.

A 20% lighter version of the original color is **38.3487, 38.6873, 90.2402**, and **6.2320, 5.8002, 22.6209** is the 20% darker color. If you saturate the color by 10%, you get **15.0483, 14.2825, 48.4184**, and if you desaturate by 10%, it is **19.9431, 20.4610, 49.3530**.

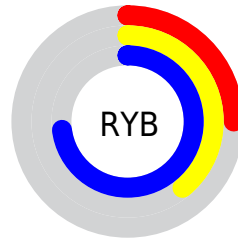
Distribution



Red (25%)

Green (45%)

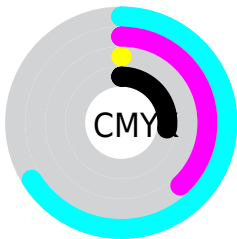
Blue (73%)



Red (25%)

Yellow (39%)

Blue (73%)

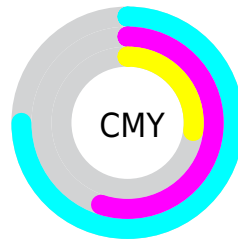


Cyan (66%)

Magenta (38%)

Yellow (0%)

Black (27%)



Cyan (75%)

Magenta (55%)

Yellow (27%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 17.2227, 17.1259, 48.8523 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 17.2227, 17.1259, 48.8523 by changing the saturation by 10% instead.

■ 17.2227, 17.1259,
48.8523

■ 17.2227, 17.1259,
48.8523

229.5838,
235.8969, 398.7663

■ 10.4897, 10.3243,
34.1376

■ 38.2488, 38.5421,
89.8508

■ 5.7896, 5.6145,
22.7211

■ 53.2727, 53.9255,
116.9716

■ 2.7570, 2.6121,
14.1843

■ 71.7908, 72.9383,
149.0648

■ 1.0266, 0.9328,
8.1088

■ 94.1686, 95.9649,
186.5490

■ 0.0000, 0.0000,
4.0759

■ 120.7715,
123.3896, 229.8427

■ 0.0000, 0.0000,
1.6670

151.9647,

■ 0.0000, 0.0000,

155.5969, 279.3645

0.3380

188.1137,
192.9712, 335.5328

■ 0.0000, 0.0000,
0.0000

■ 17.2227, 17.1259,
48.8523

■ 17.2227, 17.1259,
48.8523

■ 15.0483, 14.2825,
48.4184

■ 19.9431, 20.4610,
49.3530

■ 13.3712, 11.8981,
48.0466

■ 23.2482, 24.3139,
49.9225

■ 12.1347, 9.9361,
47.7331

■ 27.1751, 28.7104,
50.5642

■ 11.6787, 9.1767,
47.6105

■ 31.7571, 33.6738,
51.2807

■ 37.0252, 39.2260,
52.0747

■ 43.0079, 45.3874,
52.9487

■ 49.7323, 52.1775,
53.9049

■ 57.2241, 59.6148,
54.9455

■ 65.5075, 67.7171,
56.0729

Harmonies

Analogous

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



13.5517, 17.1259, 46.0398



17.2227, 17.1259, 48.8523



21.2054, 17.1259, 41.3568

Triad

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



17.2227, 17.1259, 48.8523



22.9695, 17.1259, 8.5001



10.3308, 17.1259, 11.5261

Complementary

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



17.2227, 17.1259, 48.8523



29.7017, 27.8617, 8.6641

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.



12.1794, 17.1259, 6.2842



17.2227, 17.1259, 48.8523



19.3467, 17.1259, 5.0839

Square

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



17.2227, 17.1259, 48.8523



24.8482, 17.1259, 16.1155



15.3678, 17.1259, 4.4753



9.9464, 17.1259, 21.4311

Rectangle

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



17.2227, 17.1259, 48.8523



23.3750, 17.1259, 32.7865



15.3678, 17.1259, 4.4753



10.7855, 17.1259, 9.3003

Sweetspot

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



17.2234, 17.1265, 48.8527



62.4219, 66.1896, 93.6873



23.9170, 37.9056, 28.2960



13.1615, 13.9578, 20.5430



90.7827, 95.5105, 104.0109



18.6292, 19.5994, 21.3438

Same Dimension

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



17.2234, 17.1265, 48.8527



25.7341, 23.7477, 87.4288



13.3798, 8.5960, 47.4088



8.8273, 9.3319, 11.4154



7.9282, 6.3161, 32.0543



0.3411, 0.3459, 1.1505

Inverse Universe

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



25.2362, 15.3679, 18.1595



42.0769, 22.9560, 24.2002



36.8145, 44.9377, 11.5852



9.1592, 9.0740, 10.1857



14.6155, 7.4199, 5.8619



0.5463, 0.2740, 0.3705

Previews

White Background



This preview shows how the XYZ color 17.2227, 17.1259, 48.8523 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 17.2227, 17.1259, 48.8523 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

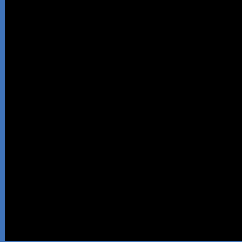
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 17.2227, 17.1259, 48.8523

Background



This preview shows how black text looks on a background with the XYZ color 17.2227, 17.1259, 48.8523.



This preview shows how white text looks on a background with the XYZ color 17.2227, 17.1259,

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

17.2227, 17.1259, 48.8523

Protanopia

18.2622, 17.0404, 46.5826

Deuteranopia

17.5194, 17.1087, 48.8333



Tritanopia

12.6359, 17.0679, 26.2954

Trichromacy



Original Color

17.2227, 17.1259, 48.8523

Protanomaly

17.6768, 16.8914, 47.1284

Deuteranomaly

17.3776, 17.0356, 48.8267

Tritanomaly

13.9581, 16.8435, 33.5258

Monochromacy



Original Color

17.2227, 17.1259, 48.8523

Achromatopsia

14.2537, 14.9960, 16.3306

Achromatomaly

14.5420, 15.4218, 25.5028

CSS Examples

Text

The CSS property to change the color of the text to XYZ 17.2227, 17.1259, 48.8523 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(64, 116, 186)` looks like.

```
.text, #text, p{  
    color:rgb(64, 116, 186)  
}
```

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(64, 116, 186) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(64, 116, 186) }
```

Border

The CSS property to change the border of an element to XYZ 17.2227, 17.1259, 48.8523 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(64, 116, 186) }
```


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

```
.border{ border-color:rgb(64, 116, 186) }
```

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

Here you see how a box with a 4 pixel `rgb(64, 116, 186)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(64, 116, 186); -webkit-box-  
shadow:4px 4px 4px 4px rgb(64, 116, 186);  
box-shadow:4px 4px 4px 4px rgb(64, 116,  
186) }
```

Background

The CSS property to change the background color of an element to XYZ 17.2227, 17.1259, 48.8523 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(64, 116, 186) }
```

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

```
.background{ background-color: rgb(64, 116,  
186) }
```

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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