

Converting Colors

XYZ(17.4128, 18.2081, 41.9593)

Have a look what the booklet for
XYZ(17.4128, 18.2081, 41.9593)
contains.

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Color

**XYZ(17.4408, 18.2697,
42.1423)**

Conversions

Conversions Part 1

Format	Color
Hex	4D79AD
RGB	77, 121, 173
RGB Percent	30%, 47%, 68%
CMY	0.6980, 0.5255, 0.3216
CMYK	0.55, 0.30, 0.00, 0.32
HSL	213°, 38%, 49%
HSV	213°, 55%, 68%
XYZ	17.4408, 18.2697, 42.1423
YIQ	113.7720, -42.9160, 6.8440

Conversions

Conversions Part 2

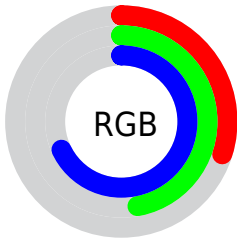
Format	Color
R_{YB}	77, 107, 173
Decimal	5077421
CIE _{Lab}	49.82, 0.41, -32.27
CIE _{LCh}	50, 32.270, 270.734
Yxy	18.2697, 0.2240, 0.2347
Android (android.graphics.Color)	4283267501 (0xFF4D79AD)
YUV	113.7720, 29.1994, -32.2490
Hunter-Lab	42.7431, -1.9656, -28.5365

Details

The XYZ color **17.4408, 18.2697, 42.1423** is a dark color, and the websafe version is hex **336699**. A complement of this color would be **26.4242, 25.1217, 10.4784**, and the grayscale version is **15.8513, 16.6768, 18.1610**.

A 20% lighter version of the original color is **38.6021, 40.4498, 79.9018**, and **5.8854, 6.1792, 18.6518** is the 20% darker color. If you saturate the color by 10%, you get **15.1421, 15.4757, 41.7245**, and if you desaturate by 10%, it is **20.2227, 21.4777, 42.6152**.

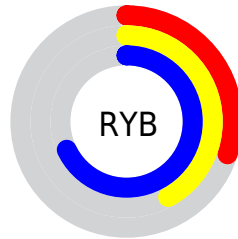
Distribution



Red (30%)

Green (47%)

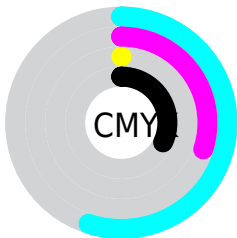
Blue (68%)



Red (30%)

Yellow (42%)

Blue (68%)

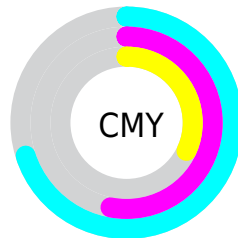


Cyan (55%)

Magenta (30%)

Yellow (0%)

Black (32%)



Cyan (70%)

Magenta (53%)

Yellow (32%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 17.4408, 18.2697, 42.1423 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 17.4408, 18.2697, 42.1423 by changing the saturation by 10% instead.

■ 17.4408, 18.2697,
42.1423

■ 17.4408, 18.2697,
42.1423

230.8070,
242.3868, 370.8895

■ 10.6465, 11.1438,
28.8863

■ 38.6197, 40.4964,
79.6874

■ 5.8952, 6.1636,
18.7500

■ 53.7351, 56.3659,
104.8135

■ 2.8215, 2.9448,
11.3148

■ 72.3548, 75.9188,
134.7335

■ 1.0601, 1.1030,
6.1622

■ 94.8443, 99.5393,
169.8658

■ 0.0000, 0.0000,
2.8736

■ 121.5689,
127.6120, 210.6291

■ 0.0000, 0.0000,
1.0304

152.8940,

■ 0.0000, 0.0000,

160.5213, 257.4417

0.0000

189.1849,
198.6514, 310.7224

■ 17.4408, 18.2697,
42.1423

■ 17.4408, 18.2697,
42.1423

■ 15.1421, 15.4757,
41.7245

■ 20.2227, 21.4777,
42.6152

■ 13.2913, 13.0719,
41.3581

■ 23.5156, 25.1175,
43.1442

■ 11.8510, 11.0343,
41.0407

■ 27.3474, 29.2082,
43.7319

■ 10.7736, 9.3335,
40.7692

■ 31.7434, 33.7669,
44.3801

■ 10.3598, 8.6511,
40.6593

■ 36.7271, 38.8097,
45.0908

■ 42.3206, 44.3519,
45.8657

■ 48.5448, 50.4081,
46.7066

■ 55.4197, 56.9922,
47.6151

■ 62.9642, 64.1174,
48.5928

Harmonies

Analogous

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



14.6262, 18.2697, 38.6717



17.4408, 18.2697, 42.1423



20.5723, 18.2697, 38.3341

Triad

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



17.4408, 18.2697, 42.1423



22.9720, 18.2697, 12.4196



12.6918, 18.2697, 12.6966

Complementary

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



17.4408, 18.2697, 42.1423



26.4242, 25.1217, 10.4784

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.



14.5093, 18.2697, 8.5811



17.4408, 18.2697, 42.1423



20.4255, 18.2697, 8.4576

Square

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



17.4408, 18.2697, 42.1423



23.9889, 18.2697, 19.6761



17.2890, 18.2697, 7.2918



12.0883, 18.2697, 20.1107

Rectangle

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



17.4408, 18.2697, 42.1423



22.3680, 18.2697, 32.6818



17.2890, 18.2697, 7.2918



13.1695, 18.2697, 10.9693

Sweetspot

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



17.4415, 18.2703, 42.1427



55.3500, 58.9346, 79.2640



21.9143, 33.0292, 25.7123



11.6904, 12.4589, 17.1763



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.



17.4415, 18.2703, 42.1427



26.1534, 26.4943, 74.5413



13.5227, 10.0400, 40.7607



7.8700, 8.3393, 10.1476



7.6667, 6.4672, 29.8887



0.2684, 0.2901, 0.8498

Inverse Universe

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



23.3392, 15.5733, 19.8656



38.2717, 22.7977, 28.3539



32.8179, 38.9471, 12.8100



8.1522, 8.0741, 9.1122



13.7334, 6.9559, 6.2416



0.4099, 0.2046, 0.3201

Previews

White Background



This preview shows how the XYZ color 17.4408, 18.2697, 42.1423 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 17.4408, 18.2697, 42.1423 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 17.4408, 18.2697, 42.1423

Background



This preview shows how black text looks on a background with the XYZ color 17.4408, 18.2697, 42.1423.

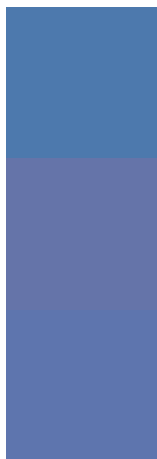


This preview shows how white text looks on a background with the XYZ color 17.4408, 18.2697,

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

17.4408, 18.2697, 42.1423

Protanopia

18.7737, 18.1221, 40.0445

Deuteranopia

18.6174, 18.1583, 42.5681



Tritanopia

14.4210, 18.3633, 26.8292

Trichromacy



Original Color

17.4408, 18.2697, 42.1423

Protanomaly

18.1478, 18.1345, 40.5740

Deuteranomaly

18.1429, 18.0876, 42.5794

Tritanomaly

15.3738, 18.1668, 31.9744

Monochromacy



Original Color

17.4408, 18.2697, 42.1423

Achromatopsia

15.9940, 16.8269, 18.3245

Achromatomaly

16.1013, 17.2386, 25.4004

CSS Examples

Text

The CSS property to change the color of the text to XYZ 17.4408, 18.2697, 42.1423 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(77, 121, 173)` looks like.

```
.text, #text, p{  
  color:rgb(77, 121, 173)  
}
```

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(77, 121, 173) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(77, 121, 173) }
```

Border

The CSS property to change the border of an element to XYZ 17.4408, 18.2697, 42.1423 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(77, 121, 173) }
```


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

```
.border{ border-color:rgb(77, 121, 173) }
```

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

Here you see how a box with a 4 pixel `rgb(77, 121, 173)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(77, 121, 173); -webkit-box-  
shadow:4px 4px 4px 4px rgb(77, 121, 173);  
box-shadow:4px 4px 4px 4px rgb(77, 121,  
173) }
```

Background

The CSS property to change the background color of an element to XYZ 17.4408, 18.2697, 42.1423 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(77, 121, 173) }
```

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

```
.background{ background-color: rgb(77, 121,  
173) }
```

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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