

Converting Colors

XYZ(17.2102, 21.7092, 32.9890)

Have a look what the booklet for
XYZ(17.2102, 21.7092, 32.9890)
contains.

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Color

**XYZ(17.2102, 21.7092,
32.9890)**

Conversions

Conversions Part 1

Format	Color
Hex	458A98
RGB	69, 138, 152
RGB Percent	27%, 54%, 60%
CMY	0.7294, 0.4588, 0.4039
CMYK	0.55, 0.09, 0.00, 0.40
HSL	190°, 38%, 43%
HSV	190°, 55%, 60%
XYZ	17.2102, 21.7092, 32.9890
YIQ	118.9650, -45.6180, -10.2740

Conversions

Conversions Part 2

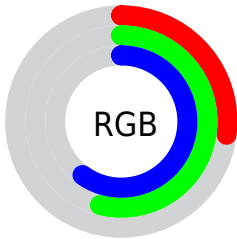
Format	Color
R _Y B	69, 107, 152
Decimal	4557464
CIE Lab	53.72, -17.64, -14.13
CIE LCh	54, 22.595, 218.695
Yxy	21.7092, 0.2393, 0.3019
Android (android.graphics.Color)	4282747544 (0xFF458A98)
YUV	118.9650, 16.2863, -43.8193
Hunter-Lab	46.5931, -15.6051, -9.3635

Details

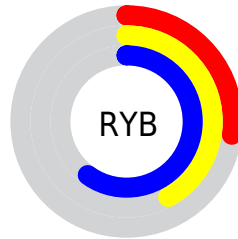
The XYZ color **17.2102, 21.7092, 32.9890** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **17.1167, 13.2920, 7.2942**, and the grayscale version is **17.4846, 18.3951, 20.0323**.

A 20% lighter version of the original color is **38.3024, 46.4406, 65.3377**, and **5.8387, 7.9190, 13.5327** is the 20% darker color. If you saturate the color by 10%, you get **15.9037, 20.4965, 32.8242**, and if you desaturate by 10%, it is **18.8030, 23.0833, 33.1707**.

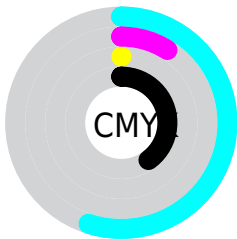
Distribution



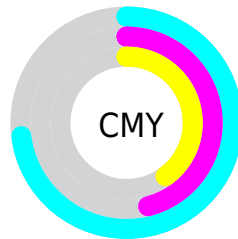
- Red (27%)
- Green (54%)
- Blue (60%)



- Red (27%)
- Yellow (42%)
- Blue (60%)



- Cyan (55%)
- Magenta (9%)
- Yellow (0%)
- Black (40%)



- Cyan (73%)
- Magenta (46%)
- Yellow (40%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 17.2102, 21.7092, 32.9890 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 17.2102, 21.7092, 32.9890 by changing the saturation by 10% instead.

■ 17.2102, 21.7092,
32.9890

■ 17.2102, 21.7092,
32.9890

229.5135,
261.0239, 330.2307

■ 10.4807, 13.6434,
21.8470

■ 38.2276, 46.2649,
65.4742

■ 5.7835, 7.8731,
13.5473

■ 53.2461, 63.5236,
87.6544

■ 2.7533, 4.0138,
7.6713

■ 71.7584, 84.6153,
114.3511

■ 1.0247, 1.6813,
3.8006

■ 94.1298, 109.9245,
145.9828

■ 0.0000, 0.4115,
1.5166

■ 120.7257,
139.8356, 182.9681

■ 0.0000, 0.0000,
0.2303

151.9114,

■ 0.0000, 0.0000,

174.7329, 225.7254

0.0000

188.0522,
215.0009, 274.6735

■ 17.2102, 21.7092,
32.9890

■ 17.2102, 21.7092,
32.9890

■ 15.9037, 20.4965,
32.8242

■ 18.8030, 23.0833,
33.1707

■ 14.8598, 19.4315,
32.6736

■ 20.6993, 24.6264,
33.3686

■ 14.0543, 18.5022,
32.5367

■ 22.9175, 26.3484,
33.5840

■ 13.4566, 17.6926,
32.4119

■ 25.4737, 28.2579,
33.8179

■ 13.1751, 17.2821,
32.3475

■ 28.3831, 30.3627,
34.0708

■ 31.6598, 32.6702,
34.3435

■ 35.3173, 35.1873,
34.6366

■ 39.3683, 37.9208,
34.9507

■ 43.8249, 40.8769,
35.2864

Harmonies

Analogous

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



16.3665, 21.7092, 25.7106



17.2102, 21.7092, 32.9890



18.9886, 21.7092, 38.3587

Triad

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



17.2102, 21.7092, 32.9890



25.2812, 21.7092, 28.8192



19.9383, 21.7092, 12.7576

Complementary

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



17.2102, 21.7092, 32.9890



17.1167, 13.2920, 7.2942

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.



22.3717, 21.7092, 13.2665



17.2102, 21.7092, 32.9890



25.5854, 21.7092, 21.6792

Square

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



17.2102, 21.7092, 32.9890



23.6827, 21.7092, 35.6427



24.4841, 21.7092, 16.2450



17.8587, 21.7092, 14.6854

Rectangle

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



17.2102, 21.7092, 32.9890



20.5281, 21.7092, 39.6257



24.4841, 21.7092, 16.2450



20.7401, 21.7092, 12.6586

Sweetspot

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



17.2109, 21.7100, 32.9895



44.1490, 49.2777, 59.6183



15.2379, 24.3441, 12.0463



9.8359, 11.0530, 13.5325



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.



17.2109, 21.7100, 32.9895



27.5334, 35.6492, 57.8635



12.3662, 12.0207, 31.3746



6.2959, 6.8492, 7.9192



11.0663, 14.5293, 27.1289



0.1862, 0.2587, 0.4125

Inverse Universe

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



19.6650, 12.7672, 25.4735



32.5371, 18.8437, 42.2192



21.2731, 21.6046, 8.6796



6.4165, 6.3057, 7.5733



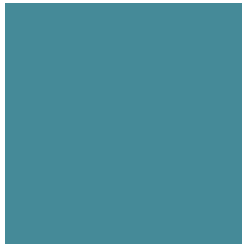
14.0445, 6.8720, 17.2913



0.2204, 0.1069, 0.3136

Previews

White Background



This preview shows how the XYZ color 17.2102, 21.7092, 32.9890 looks on a white 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

Black Background



This preview shows how the XYZ color 17.2102, 21.7092, 32.9890 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

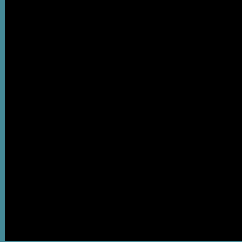
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 17.2102, 21.7092, 32.9890

Background



This preview shows how black text looks on a background with the XYZ color 17.2102, 21.7092, 32.9890.

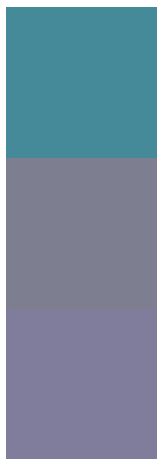


This preview shows how white text looks on a background with the XYZ color 17.2102, 21.7092,

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

17.2102, 21.7092, 32.9890

Protanopia

21.1577, 21.5831, 29.8389

Deuteranopia

22.0024, 21.5458, 34.0095



Tritanopia

16.9774, 21.6079, 32.1301

Trichromacy



Original Color

17.2102, 21.7092, 32.9890

Protanomaly

19.2873, 21.3740, 31.1260

Deuteranomaly

19.7592, 21.3625, 33.6538

Tritanomaly

17.0583, 21.6403, 32.5561

Monochromacy



Original Color

17.2102, 21.7092, 32.9890

Achromatopsia

17.5343, 18.4475, 20.0893

Achromatomaly

16.9244, 19.3271, 24.3112

CSS Examples

Text

The CSS property to change the color of the text to XYZ 17.2102, 21.7092, 32.9890 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(69, 138, 152)` looks like.

```
.text, #text, p{  
    color:rgb(69, 138, 152)  
}
```

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(69, 138, 152) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(69, 138, 152) }
```

Border

The CSS property to change the border of an element to XYZ 17.2102, 21.7092, 32.9890 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(69, 138, 152) }
```


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

```
.border{ border-color:rgb(69, 138, 152) }
```

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

Here you see how a box with a 4 pixel `rgb(69, 138, 152)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(69, 138, 152); -webkit-box-  
shadow:4px 4px 4px 4px rgb(69, 138, 152);  
box-shadow:4px 4px 4px 4px rgb(69, 138,  
152) }
```

Background

The CSS property to change the background color of an element to XYZ 17.2102, 21.7092, 32.9890 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(69, 138, 152) }
```

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

```
.background{ background-color: rgb(69, 138,  
152) }
```

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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