

Converting Colors

XYZ(17.2035, 21.3438, 37.3725)

Have a look what the booklet for
XYZ(17.2035, 21.3438, 37.3725)
contains.

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Color

**XYZ(17.2709, 21.4298,
37.4085)**

Conversions

Conversions Part 1

Format	Color
Hex	3B89A2
RGB	59, 137, 162
RGB Percent	23%, 54%, 64%
CMY	0.7686, 0.4627, 0.3647
CMYK	0.64, 0.15, 0.00, 0.36
HSL	195°, 47%, 43%
HSV	195°, 64%, 64%
XYZ	17.2709, 21.4298, 37.4085
YIQ	116.5280, -54.5130, -8.7610

Conversions

Conversions Part 2

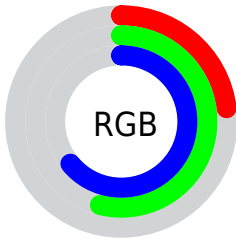
Format	Color
R _Y B	59, 103, 162
Decimal	3901858
CIE Lab	53.42, -16.01, -20.39
CIE LCh	53, 25.926, 231.868
Yxy	21.4298, 0.2269, 0.2816
Android (android.graphics.Color)	4282091938 (0xFF3B89A2)
YUV	116.5280, 22.4177, -50.4521
Hunter-Lab	46.2923, -14.4162, -15.5072

Details

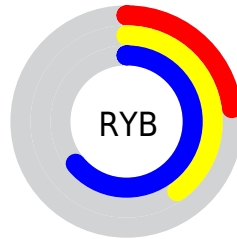
The XYZ color **17.2709, 21.4298, 37.4085** is a dark color, and the websafe version is hex **3399CC**. A complement of this color would be **18.8607, 14.3386, 5.9120**, and the grayscale version is **16.7086, 17.5788, 19.1433**.

A 20% lighter version of the original color is **38.2740, 45.6186, 72.4337**, and **6.2227, 7.9422, 15.9569** is the 20% darker color. If you saturate the color by 10%, you get **15.9069, 19.9123, 37.1879**, and if you desaturate by 10%, it is **18.9546, 23.1432, 37.6509**.

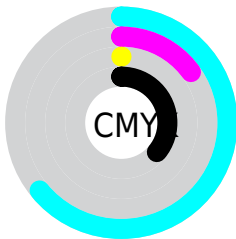
Distribution



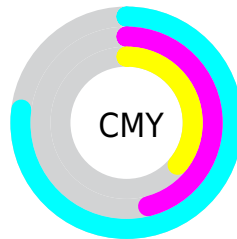
- Red (23%)
- Green (54%)
- Blue (64%)



- Red (23%)
- Yellow (40%)
- Blue (64%)



- Cyan (64%)
- Magenta (15%)
- Yellow (0%)
- Black (36%)



- Cyan (77%)
- Magenta (46%)
- Yellow (36%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 17.2709, 21.4298, 37.4085 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 17.2709, 21.4298, 37.4085 by changing the saturation by 10% instead.

■ 17.2709, 21.4298,
37.4085

■ 17.2709, 21.4298,
37.4085

229.8546,
259.5539, 350.2975

■ 10.5243, 13.4385,
25.2257

■ 38.3309, 45.8018,
72.3939

■ 5.8129, 7.7312,
16.0247

■ 53.3750, 62.9512,
96.0336

■ 2.7712, 3.9234,
9.3871

■ 71.9156, 83.9222,
124.3294

■ 1.0340, 1.6308,
4.8943

■ 94.3182, 109.0991,
157.6997

■ 0.0000, 0.3783,
2.1277

■ 120.9480,
138.8664, 196.5631

■ 0.0000, 0.0000,
0.6322

152.1705,

■ 0.0000, 0.0000,

173.6083, 241.3382

0.0000

188.3509,
213.7094, 292.4435

■ 17.2709, 21.4298,
37.4085

■ 17.2709, 21.4298,
37.4085

■ 15.9069, 19.9123,
37.1879

■ 18.9546, 23.1432,
37.6509

■ 14.8318, 18.5733,
36.9861

■ 20.9811, 25.0634,
37.9147

■ 14.0117, 17.3953,
36.8019

■ 23.3737, 27.2033,
38.2016

■ 13.5651, 16.6954,
36.6904

■ 26.1530, 29.5736,
38.5127

■ 29.3378, 32.1845,
38.8488

■ 32.9460, 35.0454,
39.2108

■ 36.9941, 38.1651,
39.5996

■ 41.4978, 41.5520,
40.0160

■ 46.4721, 45.2142,
40.4607

Harmonies

Analogous

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



15.8393, 21.4298, 29.4493



17.2709, 21.4298, 37.4085



19.6286, 21.4298, 41.7933

Triad

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



17.2709, 21.4298, 37.4085



26.0722, 21.4298, 25.5447



18.4593, 21.4298, 11.9006

Complementary

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



17.2709, 21.4298, 37.4085



18.8607, 14.3386, 5.9120

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.



21.1265, 21.4298, 11.3114



17.2709, 21.4298, 37.4085



25.6877, 21.4298, 18.1289

Square

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



17.2709, 21.4298, 37.4085



24.8234, 21.4298, 34.0046



23.8157, 21.4298, 13.3229



16.4811, 21.4298, 15.1670

Rectangle

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



17.2709, 21.4298, 37.4085



21.4768, 21.4298, 41.5406



23.8157, 21.4298, 13.3229



19.2988, 21.4298, 11.4177

Sweetspot

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



17.2716, 21.4306, 37.4090



49.8240, 55.6321, 70.1682



16.2872, 27.3961, 12.6208



10.8450, 12.2094, 15.7226



78.6606, 82.7571, 90.1225



14.0027, 14.7319, 16.0430

Same Dimension

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



17.2716, 21.4306, 37.4090



28.0631, 35.1714, 67.3658



11.6912, 10.2697, 35.5489



7.1298, 7.7186, 9.0171



10.7215, 13.2224, 28.9169



0.2586, 0.3444, 0.6187

Inverse Universe

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



20.9802, 12.6162, 24.9971



35.7305, 19.2969, 41.1781



24.2893, 25.1959, 7.7215



7.2905, 7.1726, 8.5161



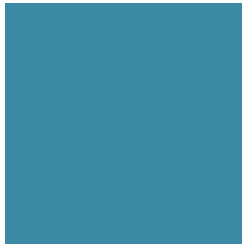
14.5572, 7.1789, 15.3906



0.3227, 0.1576, 0.4119

Previews

White Background



This preview shows how the XYZ color 17.2709, 21.4298, 37.4085 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 17.2709, 21.4298, 37.4085 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 17.2709, 21.4298, 37.4085

Background



This preview shows how black text looks on a background with the XYZ color 17.2709, 21.4298, 37.4085.

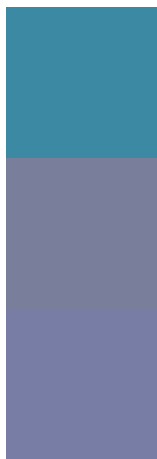


This preview shows how white text looks on a background with the XYZ color 17.2709, 21.4298,

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

17.2709, 21.4298, 37.4085

Protanopia

21.1787, 21.3198, 33.5707

Deuteranopia

21.7329, 21.3058, 38.5643



Tritanopia

16.2058, 21.4241, 32.1353

Trichromacy



Original Color

17.2709, 21.4298, 37.4085

Protanomaly

19.1054, 20.9963, 34.9440

Deuteranomaly

19.4809, 20.9222, 38.1336

Tritanomaly

16.4968, 21.3223, 33.8180

Monochromacy



Original Color

17.2709, 21.4298, 37.4085

Achromatopsia

16.9083, 17.7888, 19.3720

Achromatomaly

16.2652, 18.5956, 24.9223

CSS Examples

Text

The CSS property to change the color of the text to XYZ 17.2709, 21.4298, 37.4085 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(59, 137, 162)` looks like.

```
.text, #text, p{  
    color:rgb(59, 137, 162)  
}
```

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(59, 137, 162) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(59, 137, 162) }
```

Border

The CSS property to change the border of an element to XYZ 17.2709, 21.4298, 37.4085 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(59, 137, 162) }
```


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

```
.border{ border-color:rgb(59, 137, 162) }
```

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

Here you see how a box with a 4 pixel rgb(59, 137, 162) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(59, 137, 162); -webkit-box-  
shadow:4px 4px 4px 4px rgb(59, 137, 162);  
box-shadow:4px 4px 4px 4px rgb(59, 137,  
162) }
```

Background

The CSS property to change the background color of an element to XYZ 17.2709, 21.4298, 37.4085 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(59, 137, 162) }
```

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

```
.background{ background-color: rgb(59, 137,  
162) }
```

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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