

Converting Colors

XYZ(17.5608, 22.6894, 35.4749)

Have a look what the booklet for
XYZ(17.5608, 22.6894, 35.4749)
contains.

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Color

**XYZ(17.5624, 22.7101,
35.3561)**

Conversions

Conversions Part 1

Format	Color
Hex	3B8E9D
RGB	59, 142, 157
RGB Percent	23%, 56%, 62%
CMY	0.7686, 0.4431, 0.3843
CMYK	0.62, 0.10, 0.00, 0.38
HSL	189°, 45%, 42%
HSV	189°, 62%, 62%
XYZ	17.5624, 22.7101, 35.3561
YIQ	118.8930, -54.2830, -12.9310

Conversions

Conversions Part 2

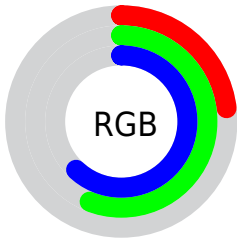
Format	Color
RYB	59, 104, 157
Decimal	3903133
CIELab	54.77, -20.27, -15.45
CIELCh	55, 25.482, 217.310
Yxy	22.7101, 0.2322, 0.3003
Android (android.graphics.Color)	4282093213 (0xFF3B8E9D)
YUV	118.8930, 18.7868, -52.5262
Hunter-Lab	47.6551, -17.6136, -10.6296

Details

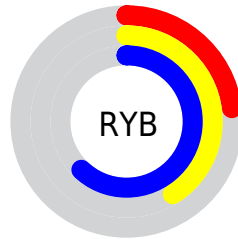
The XYZ color **17.5624, 22.7101, 35.3561** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **17.1433, 12.3820, 5.6247**, and the grayscale version is **17.4563, 18.3653, 19.9999**.

A 20% lighter version of the original color is **38.9597, 48.0152, 69.5018**, and **6.3426, 8.5228, 14.9464** is the 20% darker color. If you saturate the color by 10%, you get **16.4146, 21.5938, 35.2015**, and if you desaturate by 10%, it is **18.9992, 23.9878, 35.5274**.

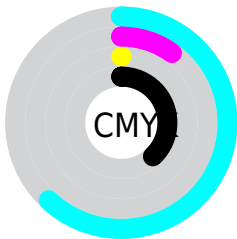
Distribution



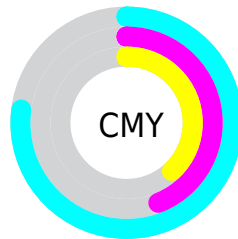
- Red (23%)
- Green (56%)
- Blue (62%)



- Red (23%)
- Yellow (41%)
- Blue (62%)



- Cyan (62%)
- Magenta (10%)
- Yellow (0%)
- Black (38%)



- Cyan (77%)
- Magenta (44%)
- Yellow (38%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 17.5624, 22.7101, 35.3561 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 17.5624, 22.7101, 35.3561 by changing the saturation by 10% instead.

■ 17.5624, 22.7101,
35.3561

■ 17.5624, 22.7101,
35.3561

231.4864,
266.2325, 341.0892

■ 10.7341, 14.3796,
23.6516

■ 38.8262, 47.9169,
69.1949

■ 5.9543, 8.3852,
14.8655

■ 53.9924, 65.5619,
92.1662

■ 2.8577, 4.3424,
8.5795

■ 72.6685, 87.0806,
119.7302

■ 1.0790, 1.8669,
4.3749

■ 95.2200, 112.8574,
152.3054

■ 0.0074, 0.5283,
1.8332

■ 122.0122,
143.2765, 190.3104

■ 0.0000, 0.0000,
0.4497

153.4104,

■ 0.0000, 0.0000,

178.7225, 234.1637

0.0000

189.7800,
219.5797, 284.2838

■ 17.5624, 22.7101,
35.3561

■ 17.5624, 22.7101,
35.3561

■ 16.4146, 21.5938,
35.2015

■ 18.9992, 23.9878,
35.5274

■ 15.5276, 20.6229,
35.0609

■ 20.7457, 25.4362,
35.7149

■ 14.8713, 19.7821,
34.9332

■ 22.8231, 27.0667,
35.9202

■ 14.4695, 19.2015,
34.8423

■ 25.2500, 28.8891,
36.1440

■ 28.0438, 30.9123,
36.3873

■ 31.2206, 33.1448,
36.6507

■ 34.7955, 35.5943,
36.9351

■ 38.7828, 38.2684,
37.2411

■ 43.1961, 41.1741,
37.5694

Harmonies

Analogous

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



16.6522, 22.7101, 26.7513



17.5624, 22.7101, 35.3561



19.5652, 22.7101, 41.9509

Triad

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



17.5624, 22.7101, 35.3561



26.9704, 22.7101, 31.1977



20.9043, 22.7101, 12.3246

Complementary

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



17.5624, 22.7101, 35.3561



17.1433, 12.3820, 5.6247

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.



23.7399, 22.7101, 13.0116



17.5624, 22.7101, 35.3561



27.4074, 22.7101, 22.8083

Square

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



17.5624, 22.7101, 35.3561



25.0328, 22.7101, 39.2091



26.1798, 22.7101, 16.4759



18.4698, 22.7101, 14.3390

Rectangle

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



17.5624, 22.7101, 35.3561



21.3324, 22.7101, 43.6547



26.1798, 22.7101, 16.4759



21.8402, 22.7101, 12.2563

Sweetspot

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



17.5631, 22.7109, 35.3566



46.6756, 52.8038, 64.8588



15.0871, 25.5346, 10.5599



9.9907, 11.4141, 14.2469



74.8435, 78.7412, 85.7492



12.6291, 13.2868, 14.4694

Same Dimension

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



17.5631, 22.7109, 35.3566



28.7035, 37.9417, 62.9374



11.8308, 11.2464, 33.4459



6.7353, 7.3364, 8.4678



11.7733, 15.6382, 28.3052



0.2318, 0.3221, 0.5132

Inverse Universe

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



20.3517, 12.2497, 26.8838



34.3834, 18.5241, 45.2552



21.7404, 21.5762, 7.1571



6.8605, 6.7371, 8.1165



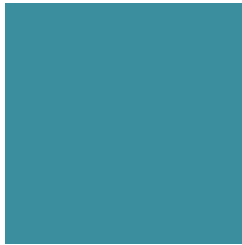
14.7408, 7.2009, 18.6841



0.2743, 0.1330, 0.3906

Previews

White Background



This preview shows how the XYZ color 17.5624, 22.7101, 35.3561 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 17.5624, 22.7101, 35.3561 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 17.5624, 22.7101, 35.3561

Background



This preview shows how black text looks on a background with the XYZ color 17.5624, 22.7101, 35.3561.

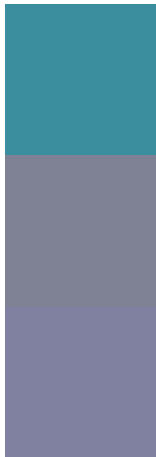


This preview shows how white text looks on a background with the XYZ color 17.5624, 22.7101,

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

17.5624, 22.7101, 35.3561

Protanopia

22.0275, 22.3825, 31.5930

Deuteranopia

22.9664, 22.5656, 36.4028



Tritanopia

17.2507, 22.5786, 34.0208

Trichromacy



Original Color

17.5624, 22.7101, 35.3561

Protanomaly

19.6721, 22.1420, 32.9428

Deuteranomaly

20.2391, 22.1618, 36.0118

Tritanomaly

17.3343, 22.6121, 34.4613

Monochromacy



Original Color

17.5624, 22.7101, 35.3561

Achromatopsia

17.5343, 18.4475, 20.0893

Achromatomaly

16.7528, 19.4136, 25.0545

CSS Examples

Text

The CSS property to change the color of the text to XYZ 17.5624, 22.7101, 35.3561 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, 142, 157)` looks like.

```
.text, #text, p{  
    color:rgb(59, 142, 157)  
}
```

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, 142, 157) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(59, 142, 157) }
```

Border

The CSS property to change the border of an element to XYZ 17.5624, 22.7101, 35.3561 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, 142, 157) }
```


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

```
.border{ border-color:rgb(59, 142, 157) }
```

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

Here you see how a box with a 4 pixel `rgb(59, 142, 157)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(59, 142, 157); -webkit-box-  
shadow:4px 4px 4px 4px rgb(59, 142, 157);  
box-shadow:4px 4px 4px 4px rgb(59, 142,  
157) }
```

Background

The CSS property to change the background color of an element to XYZ 17.5624, 22.7101, 35.3561 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(59, 142, 157) }
```

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

```
.background{ background-color: rgb(59, 142,  
157) }
```

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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