

Converting Colors

XYZ(21.4046, 28.4720, 36.4234)

Have a look what the booklet for
XYZ(21.4046, 28.4720, 36.4234)
contains.

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Color

**XYZ(21.3732, 28.4658,
36.2663)**

Conversions

Conversions Part 1

Format	Color
Hex	4D9E9D
RGB	77, 158, 157
RGB Percent	30%, 62%, 62%
CMY	0.6980, 0.3804, 0.3843
CMYK	0.51, 0.00, 0.01, 0.38
HSL	179°, 34%, 46%
HSV	179°, 51%, 62%
XYZ	21.3732, 28.4658, 36.2663
YIQ	133.6670, -47.9550, -17.4830

Conversions

Conversions Part 2

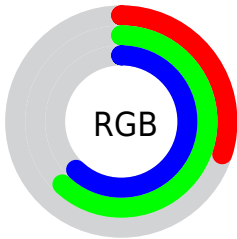
Format	Color
RYB	77, 118, 158
Decimal	5086877
CIELab	60.31, -24.86, -7.07
CIElCh	60, 25.846, 195.881
Yxy	28.4658, 0.2482, 0.3306
Android (android.graphics.Color)	4283276957 (0xFF4D9E9D)
YUV	133.6670, 11.5032, -49.6970
Hunter-Lab	53.3534, -21.8618, -2.9543

Details

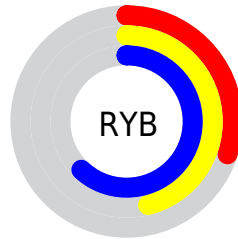
The XYZ color **21.3732, 28.4658, 36.2663** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **18.1305, 13.1277, 8.7869**, and the grayscale version is **22.5103, 23.6826, 25.7904**.

A 20% lighter version of the original color is **45.2250, 57.2782, 70.3002**, and **7.8432, 11.3938, 15.4215** is the 20% darker color. If you saturate the color by 10%, you get **20.2335, 27.8809, 36.1266**, and if you desaturate by 10%, it is **22.8242, 29.2126, 36.4220**.

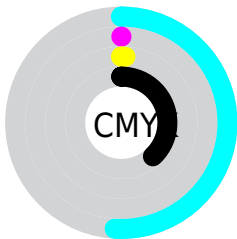
Distribution



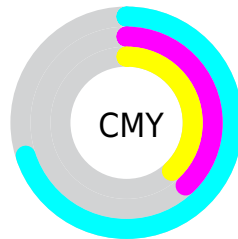
- Red (30%)
- Green (62%)
- Blue (62%)



- Red (30%)
- Yellow (46%)
- Blue (62%)



- Cyan (51%)
- Magenta (0%)
- Yellow (1%)
- Black (38%)



- Cyan (70%)
- Magenta (38%)
- Yellow (38%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.3732, 28.4658, 36.2663 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 21.3732, 28.4658, 36.2663 by changing the saturation by 10% instead.

■ 21.3732, 28.4658,
36.2663

■ 21.3732, 28.4658,
36.2663

251.9496,
294.6860, 345.1955

■ 13.5111, 18.6771,
24.3486

■ 45.1944, 57.2273,
70.6166

■ 7.8608, 11.4372,
15.3778

■ 61.8843, 76.9688,
93.8862

■ 4.0571, 6.3617,
8.9354

■ 82.2474, 100.7967,
121.7769

■ 1.7345, 3.0662,
4.6028

■ 106.6491,
129.0954, 154.7073

■ 0.4777, 1.1664,
1.9616

■ 135.4549,
162.2493, 193.0958

■ 0.0000, 0.0340,
0.5315

169.0299,

■ 0.0000, 0.0000,

200.6428, 237.3609

0.0000

207.7397,
244.6602, 287.9214

■ 21.3732, 28.4658,
36.2663

■ 21.3732, 28.4658,
36.2663

■ 20.2335, 27.8809,
36.1266

■ 22.8242, 29.2126,
36.4220

■ 19.3799, 27.4427,
35.9998

■ 24.6047, 30.1285,
36.5926

■ 18.7872, 27.1391,
35.8853

■ 26.7341, 31.2243,
36.7797

■ 18.4248, 26.9542,
35.7818

■ 29.2298, 32.5090,
36.9840

■ 18.2322, 26.8566,
35.6972

■ 32.1081, 33.9909,
37.2064

■ 35.3842, 35.6778,
37.4476

■ 39.0725, 37.5772,
37.7082

■ 43.1867, 39.6962,
37.9888

■ 47.7398, 42.0415,
38.2901

Harmonies

Analogous

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



21.3299, 28.4658, 26.7486



21.3732, 28.4658, 36.2663



22.8542, 28.4658, 46.0441

Triad

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



21.3732, 28.4658, 36.2663



31.8978, 28.4658, 45.5289



28.6418, 28.4658, 16.4404

Complementary

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



21.3732, 28.4658, 36.2663



18.1305, 13.1277, 8.7869

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.



31.7433, 28.4658, 19.6435



21.3732, 28.4658, 36.2663



33.7246, 28.4658, 35.6673

Square

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



21.3732, 28.4658, 36.2663



28.8390, 28.4658, 52.0924



33.6659, 28.4658, 26.2599



25.3479, 28.4658, 16.5358

Rectangle

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



21.3732, 28.4658, 36.2663



24.5324, 28.4658, 50.8340



33.6659, 28.4658, 26.2599



29.7468, 28.4658, 17.1333

Sweetspot

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



21.3740, 28.4669, 36.2670



51.1717, 58.0520, 67.0070



16.7379, 26.6252, 11.2788



11.3337, 12.9833, 15.0901



76.7382, 80.7346, 87.9200



13.3056, 13.9985, 15.2444

Same Dimension

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



21.3740, 28.4669, 36.2670



36.4015, 50.4545, 65.5567



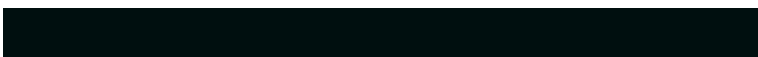
15.8119, 17.2053, 34.8365



6.8183, 7.5081, 8.4779



14.6028, 21.5090, 28.5948



0.2621, 0.3850, 0.5166

Inverse Universe

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



18.1305, 13.1277, 8.7869



29.8165, 19.2995, 9.7571



21.7038, 20.3313, 9.8022



6.6362, 6.6474, 6.9355



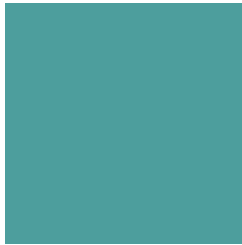
11.3028, 5.8257, 0.5794



0.2030, 0.1045, 0.0149

Previews

White Background



This preview shows how the XYZ color 21.3732, 28.4658, 36.2663 looks on a white background.

Color Contrast Check

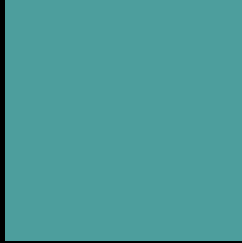
Large Text (above 18pt) WCAG AA ✓ Pass

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 21.3732, 28.4658, 36.2663 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

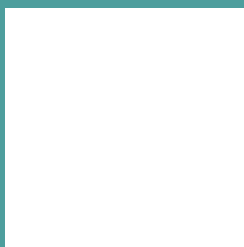
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 21.3732, 28.4658, 36.2663

Background



This preview shows how black text looks on a background with the XYZ color 21.3732, 28.4658, 36.2663.

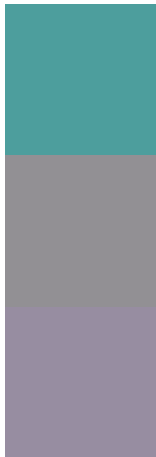


This preview shows how white text looks on a background with the XYZ color 21.3732, 28.4658,

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

21.3732, 28.4658, 36.2663

Protanopia

27.1726, 28.1956, 32.0271

Deuteranopia

28.7204, 28.2023, 37.6481



Tritanopia

22.4432, 28.3908, 41.8332

Trichromacy



Original Color

21.3732, 28.4658, 36.2663

Protanomaly

24.2185, 27.7942, 33.3665

Deuteranomaly

25.0911, 27.6906, 37.2801

Tritanomaly

22.1568, 28.5360, 39.9375

Monochromacy



Original Color

21.3732, 28.4658, 36.2663

Achromatopsia

22.6597, 23.8398, 25.9615

Achromatomaly

21.5150, 25.1086, 29.3037

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.3732, 28.4658, 36.2663 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, 158, 157)` looks like.

```
.text, #text, p{  
    color:rgb(77, 158, 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(77, 158, 157) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(77, 158, 157) }
```

Border

The CSS property to change the border of an element to XYZ 21.3732, 28.4658, 36.2663 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, 158, 157) }
```


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

```
.border{ border-color:rgb(77, 158, 157) }
```

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

Here you see how a box with a 4 pixel rgb(77, 158, 157) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(77, 158, 157); -webkit-box-  
shadow:4px 4px 4px 4px rgb(77, 158, 157);  
box-shadow:4px 4px 4px 4px rgb(77, 158,  
157) }
```

Background

The CSS property to change the background color of an element to XYZ 21.3732, 28.4658, 36.2663 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(77, 158, 157) }
```

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

```
.background{ background-color: rgb(77, 158,  
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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