

Converting Colors

XYZ(21.6719, 27.3801, 49.3825)

Have a look what the booklet for
XYZ(21.6719, 27.3801, 49.3825)
contains.

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Color

**XYZ(21.6755, 27.3288,
49.4800)**

Conversions

Conversions Part 1

Format	Color
Hex	359AB8
RGB	53, 154, 184
RGB Percent	21%, 60%, 72%
CMY	0.7921, 0.3961, 0.2784
CMYK	0.71, 0.16, 0.00, 0.28
HSL	194°, 55%, 46%
HSV	194°, 71%, 72%
XYZ	21.6755, 27.3288, 49.4800
YIQ	127.2210, -69.8260, -12.0820

Conversions

Conversions Part 2

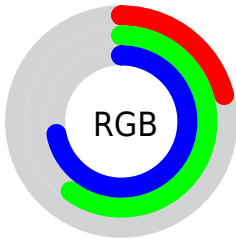
Format	Color
RYB	53, 110, 184
Decimal	3513016
CIELab	59.28, -18.99, -23.97
CIElCh	59, 30.587, 231.613
Yxy	27.3288, 0.2201, 0.2775
Android (android.graphics.Color)	4281703096 (0xFF359AB8)
YUV	127.2210, 27.9920, -65.0918
Hunter-Lab	52.2770, -17.4735, -19.5240

Details

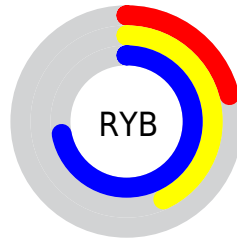
The XYZ color **21.6755, 27.3288, 49.4800** is a dark color, and the websafe version is hex **0099CC**. A complement of this color would be **23.5039, 16.6350, 5.3411**, and the grayscale version is **20.1738, 21.2244, 23.1134**.

A 20% lighter version of the original color is **45.7311, 55.6052, 90.7607**, and **8.9470, 11.3392, 23.1899** is the 20% darker color. If you saturate the color by 10%, you get **20.2044, 25.5565, 49.2160**, and if you desaturate by 10%, it is **23.5441, 29.3433, 49.7709**.

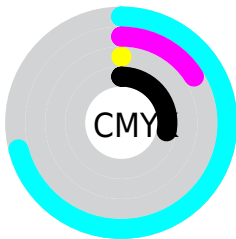
Distribution



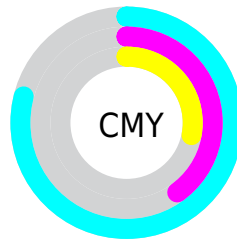
- Red (21%)
- Green (60%)
- Blue (72%)



- Red (21%)
- Yellow (43%)
- Blue (72%)



- Cyan (71%)
- Magenta (16%)
- Yellow (0%)
- Black (28%)



- Cyan (79%)
- Magenta (40%)
- Yellow (28%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.6755, 27.3288, 49.4800 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 21.6755, 27.3288, 49.4800 by changing the saturation by 10% instead.

■ 21.6755, 27.3288,
49.4800

■ 21.6755, 27.3288,
49.4800

■ 253.5113,
289.2456, 401.3056

■ 13.7339, 17.8203,
34.6321

■ 45.6919, 55.4110,
90.7923

■ 8.0163, 10.8211,
23.0983

■ 62.4975, 74.7536,
118.0938

■ 4.1573, 5.9466,
14.4602

■ 82.9885, 98.1429,
150.3836

■ 1.7915, 2.8127,
8.2990

■ 107.5301,
125.9635, 188.0802

■ 0.5125, 1.0347,
4.1964

■ 136.4879,
158.5996, 231.6021

■ 0.0000, 0.0000,
1.7337

170.2271,

■ 0.0000, 0.0000,

196.4358, 281.3680

0.3837

209.1131,
239.8563, 337.7963

■ 0.0000, 0.0000,
0.0000

■ 21.6755, 27.3288,
49.4800

■ 21.6755, 27.3288,
49.4800

■ 20.2044, 25.5565,
49.2160

■ 23.5441, 29.3433,
49.7709

■ 19.0825, 23.9996,
48.9746

■ 25.8458, 31.6171,
50.0885

■ 18.3045, 22.7660,
48.7775

■ 28.6150, 34.1690,
50.4351

■ 31.8819, 37.0147,
50.8122

■ 35.6741, 40.1689,
51.2211

■ 40.0171, 43.6450,
51.6632

■ 44.9345, 47.4556,
52.1395

■ 50.4488, 51.6125,
52.6512

■ 56.5810, 56.1271,
53.1994

Harmonies

Analogous

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



19.7269, 27.3288, 38.1973



21.6755, 27.3288, 49.4800



24.9184, 27.3288, 55.7985

Triad

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



21.6755, 27.3288, 49.4800



33.9412, 27.3288, 32.9317



23.3624, 27.3288, 14.1701

Complementary

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



21.6755, 27.3288, 49.4800



23.5039, 16.6350, 5.3411

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.



27.0615, 27.3288, 13.4190



21.6755, 27.3288, 49.4800



33.4205, 27.3288, 22.6608

Square

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



21.6755, 27.3288, 49.4800



32.1689, 27.3288, 44.8253



30.8089, 27.3288, 16.1249



20.6323, 27.3288, 18.5111

Rectangle

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



21.6755, 27.3288, 49.4800



27.4821, 27.3288, 55.4864



30.8089, 27.3288, 16.1249



24.5244, 27.3288, 13.5403

Sweetspot

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



21.6764, 27.3298, 49.4807



64.5509, 72.7205, 92.8389



20.1091, 35.6384, 13.6804



13.4904, 15.3281, 19.9692



88.6918, 93.3107, 101.6153



17.8044, 18.7317, 20.3988

Same Dimension

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



21.6764, 27.3298, 49.4807



35.4886, 44.8056, 88.9825



13.7869, 11.5508, 46.8508



9.0876, 9.8524, 11.5022



12.6705, 15.8006, 33.6351



0.4900, 0.6437, 1.2002

Inverse Universe

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



26.8738, 15.0705, 32.0654



46.0931, 23.5839, 52.5986



30.8262, 31.2796, 7.7819



9.2906, 9.1266, 10.8775



17.0092, 8.3774, 18.4668



0.6215, 0.3041, 0.7662

Previews

White Background



This preview shows how the XYZ color 21.6755, 27.3288, 49.4800 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 21.6755, 27.3288, 49.4800 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

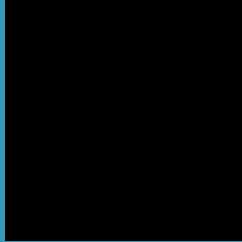
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 21.6755, 27.3288, 49.4800

Background



This preview shows how black text looks on a background with the XYZ color 21.6755, 27.3288, 49.4800.

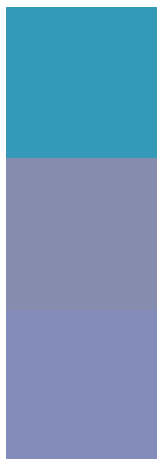


This preview shows how white text looks on a background with the XYZ color 21.6755, 27.3288,

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

21.6755, 27.3288, 49.4800

Protanopia

26.8496, 26.8805, 43.8177

Deuteranopia

27.7078, 27.1693, 50.7976



Tritanopia

20.2147, 27.4921, 41.7772

Trichromacy



Original Color

21.6755, 27.3288, 49.4800

Protanomaly

23.9870, 26.4684, 45.9641

Deuteranomaly

24.5818, 26.6795, 50.3084

Tritanomaly

20.7007, 27.4373, 44.2493

Monochromacy



Original Color

21.6755, 27.3288, 49.4800

Achromatopsia

20.1725, 21.2231, 23.1119

Achromatomaly

19.5465, 22.7388, 31.3758

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.6755, 27.3288, 49.4800 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(53, 154, 184)` looks like.

```
.text, #text, p{  
    color:rgb(53, 154, 184)  
}
```

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(53, 154, 184) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(53, 154, 184) }
```

Border

The CSS property to change the border of an element to XYZ 21.6755, 27.3288, 49.4800 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(53, 154, 184) }
```


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

```
.border{ border-color:rgb(53, 154, 184) }
```

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

Here you see how a box with a 4 pixel `rgb(53, 154, 184)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(53, 154, 184); -webkit-box-  
shadow:4px 4px 4px 4px rgb(53, 154, 184);  
box-shadow:4px 4px 4px 4px rgb(53, 154,  
184) }
```

Background

The CSS property to change the background color of an element to XYZ 21.6755, 27.3288, 49.4800 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(53, 154, 184) }
```

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

```
.background{ background-color: rgb(53, 154,  
184) }
```

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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