

Converting Colors

XYZ(17.2740, 20.1155, 49.5325)

Have a look what the booklet for
XYZ(17.2740, 20.1155, 49.5325)
contains.

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Color

**XYZ(17.2658, 20.1259,
49.4290)**

Conversions

Conversions Part 1

Format	Color
Hex	0C84BA
RGB	12, 132, 186
RGB Percent	5%, 52%, 73%
CMY	0.9528, 0.4823, 0.2706
CMYK	0.94, 0.29, 0.00, 0.27
HSL	199°, 88%, 39%
HSV	199°, 94%, 73%
XYZ	17.2658, 20.1259, 49.4290
YIQ	102.2760, -88.8540, -8.6460

Conversions

Conversions Part 2

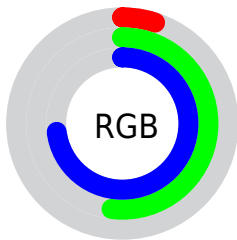
Format	Color
R _Y B	12, 83, 186
Decimal	820410
CIE Lab	51.98, -9.84, -36.51
CIE LCh	52, 37.808, 254.914
Yxy	20.1259, 0.1989, 0.2318
Android (android.graphics.Color)	4279010490 (0xFF0C84BA)
YUV	102.2760, 41.2759, -79.1721
Hunter-Lab	44.8619, -9.8098, -33.9226

Details

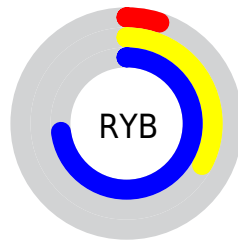
The XYZ color **17.2658, 20.1259, 49.4290** is a dark color, and the websafe version is hex **3399CC**. A complement of this color would be **22.2664, 14.3658, 1.9481**, and the grayscale version is **12.6162, 13.2732, 14.4545**.

A 20% lighter version of the original color is **38.3057, 43.6501, 90.4108**, and **7.2581, 7.8525, 22.9629** is the 20% darker color. If you saturate the color by 10%, you get **16.6171, 19.0533, 49.2566**, and if you desaturate by 10%, it is **18.4733, 21.9433, 49.7166**.

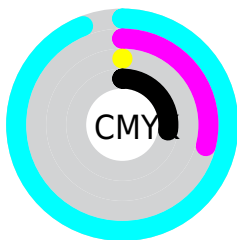
Distribution



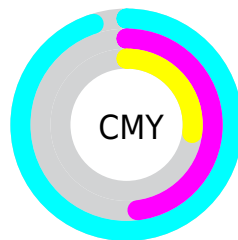
- Red (5%)
- Green (52%)
- Blue (73%)



- Red (5%)
- Yellow (33%)
- Blue (73%)



- Cyan (94%)
- Magenta (29%)
- Yellow (0%)
- Black (27%)



- Cyan (95%)
- Magenta (48%)
- Yellow (27%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 17.2658, 20.1259, 49.4290 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 17.2658, 20.1259, 49.4290 by changing the saturation by 10% instead.

■ 17.2658, 20.1259,
49.4290

■ 17.2658, 20.1259,
49.4290

■ 229.8260,
252.5959, 401.0997

■ 10.5207, 12.4866,
34.5919

■ 38.3222, 43.6282,
90.7159

■ 5.8104, 7.0760,
23.0677

■ 53.3641, 60.2599,
118.0027

■ 2.7697, 3.5097,
14.4377

■ 71.9024, 80.6579,
150.2765

■ 1.0332, 1.4032,
8.2835

■ 94.3024, 105.2066,
187.9559

■ 0.0000, 0.2191,
4.1865

■ 120.9293,
134.2904, 231.4594

■ 0.0000, 0.0000,
1.7282

■ 152.1487,

■ 0.0000, 0.0000,

168.2935, 281.2055

0.3800

188.3258,
207.6006, 337.6127

■ 0.0000, 0.0000,
0.0000

■ 17.2658, 20.1259,
49.4290

■ 17.2658, 20.1259,
49.4290

■ 16.6171, 19.0533,
49.2566

■ 18.4733, 21.9433,
49.7166

■ 20.0458, 24.0139,
50.0334

■ 22.0336, 26.3649,
50.3824

■ 24.4778, 29.0185,
50.7658

■ 27.4143, 31.9942,
51.1853

■ 30.8752, 35.3093,
51.6428

■ 34.8898, 38.9798,
52.1397

■ 39.4850, 43.0207,
52.6775

■ 44.6860, 47.4456,
53.2575

Harmonies

Analogous

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



14.3498, 20.1259, 40.5555



17.2658, 20.1259, 49.4290



21.0988, 20.1259, 49.4574

Triad

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



17.2658, 20.1259, 49.4290



27.2136, 20.1259, 16.8964



14.3628, 20.1259, 10.0652

Complementary

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



17.2658, 20.1259, 49.4290



22.2664, 14.3658, 1.9481

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.



17.2859, 20.1259, 7.1454



17.2658, 20.1259, 49.4290



24.8667, 20.1259, 10.0921

Square

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



17.2658, 20.1259, 49.4290



27.2063, 20.1259, 27.9096



21.1218, 20.1259, 7.1532



12.8332, 20.1259, 16.8446

Rectangle

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



17.2658, 20.1259, 49.4290



23.6878, 20.1259, 44.3090



21.1218, 20.1259, 7.1532



15.1963, 20.1259, 8.7182

Sweetspot

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



17.2665, 20.1266, 49.4295



59.5221, 67.2893, 94.0524



18.6429, 35.5692, 10.7667



12.4328, 14.1954, 20.6273



90.7827, 95.5105, 104.0109



18.6292, 19.5994, 21.3438

Same Dimension

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



17.2665, 20.1266, 49.4295



29.8938, 34.0842, 89.2047



10.0246, 5.6427, 47.0155



9.0251, 9.7275, 11.4814



11.2484, 12.9565, 33.1611



0.4489, 0.5615, 1.1865

Inverse Universe

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



24.5467, 12.3689, 22.9241



43.6841, 21.7136, 38.4756



31.4163, 32.6657, 4.9981



9.2590, 9.1140, 10.7115



16.2914, 8.0903, 14.6869



0.6008, 0.2958, 0.6570

Previews

White Background



This preview shows how the XYZ color 17.2658, 20.1259, 49.4290 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 17.2658, 20.1259, 49.4290 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

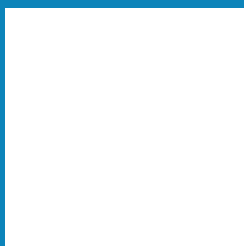
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 17.2658, 20.1259, 49.4290

Background



This preview shows how black text looks on a background with the XYZ color 17.2658, 20.1259, 49.4290.

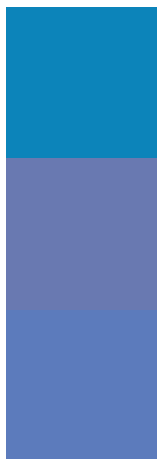


This preview shows how white text looks on a background with the XYZ color 17.2658, 20.1259,

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

17.2658, 20.1259, 49.4290

Protanopia

20.5989, 19.8523, 44.3412

Deuteranopia

20.5737, 20.0721, 50.3669



Tritanopia

14.2121, 19.9979, 30.7147

Trichromacy



Original Color

17.2658, 20.1259, 49.4290

Protanomaly

18.1704, 19.3021, 45.9480

Deuteranomaly

18.4804, 19.5663, 49.8164

Tritanomaly

15.1471, 19.9270, 36.7662

Monochromacy



Original Color

17.2658, 20.1259, 49.4290

Achromatopsia

12.6291, 13.2868, 14.4694

Achromatomaly

12.5930, 14.7689, 24.3773

CSS Examples

Text

The CSS property to change the color of the text to XYZ 17.2658, 20.1259, 49.4290 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(12, 132, 186)` looks like.

```
.text, #text, p{  
    color:rgb(12, 132, 186)  
}
```

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(12, 132, 186) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(12, 132, 186) }
```

Border

The CSS property to change the border of an element to XYZ 17.2658, 20.1259, 49.4290 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(12, 132, 186) }
```


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

```
.border{ border-color:rgb(12, 132, 186) }
```

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

Here you see how a box with a 4 pixel `rgb(12, 132, 186)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(12, 132, 186); -webkit-box-  
shadow:4px 4px 4px 4px rgb(12, 132, 186);  
box-shadow:4px 4px 4px 4px rgb(12, 132,  
186) }
```

Background

The CSS property to change the background color of an element to XYZ 17.2658, 20.1259, 49.4290 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(12, 132, 186) }
```

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

```
.background{ background-color: rgb(12, 132,  
186) }
```

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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