

Converting Colors

XYZ(21.2021, 27.8365, 50.2108)

Have a look what the booklet for
XYZ(21.2021, 27.8365, 50.2108)
contains.

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Color

**XYZ(21.1673, 27.7989,
50.1490)**

Conversions

Conversions Part 1

Format	Color
Hex	179DB9
RGB	23, 157, 185
RGB Percent	9%, 62%, 73%
CMY	0.9097, 0.3843, 0.2745
CMYK	0.88, 0.15, 0.00, 0.27
HSL	190°, 78%, 41%
HSV	190°, 88%, 73%
XYZ	21.1673, 27.7989, 50.1490
YIQ	120.1260, -88.8520, -19.7000

Conversions

Conversions Part 2

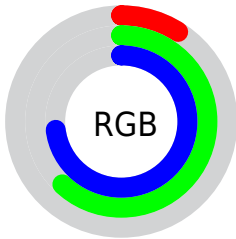
Format	Color
R_{YB}	23, 96, 185
Decimal	1547705
CIE _{Lab}	59.71, -23.25, -23.92
CIE _{LCh}	60, 33.361, 225.820
Yxy	27.7989, 0.2136, 0.2805
Android (android.graphics.Color)	4279737785 (0xFF179DB9)
YUV	120.1260, 31.9829, -85.1795
Hunter-Lab	52.7247, -20.6060, -19.4863

Details

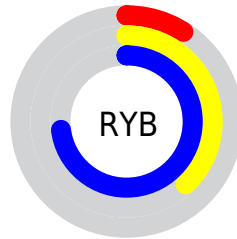
The XYZ color **21.1673, 27.7989, 50.1490** is a dark color, and the websafe version is hex **0099CC**. A complement of this color would be **21.3474, 12.7458, 2.1468**, and the grayscale version is **17.8165, 18.7443, 20.4126**.

A 20% lighter version of the original color is **44.9002, 56.2626, 91.7124**, and **9.2164, 11.7691, 23.6157** is the 20% darker color. If you saturate the color by 10%, you get **20.3370, 26.5787, 49.9578**, and if you desaturate by 10%, it is **22.2979, 29.1960, 50.3596**.

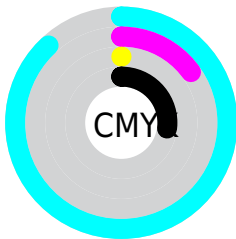
Distribution



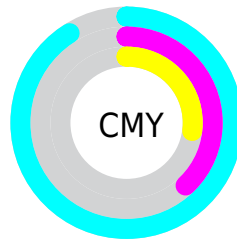
- Red (9%)
- Green (62%)
- Blue (73%)



- Red (9%)
- Yellow (38%)
- Blue (73%)



- Cyan (88%)
- Magenta (15%)
- Yellow (0%)
- Black (27%)



- Cyan (91%)
- Magenta (38%)
- Yellow (27%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.1673, 27.7989, 50.1490 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 21.1673, 27.7989, 50.1490 by changing the saturation by 10% instead.

■ 21.1673, 27.7989,
50.1490

■ 21.1673, 27.7989,
50.1490

250.8812,
291.5047, 404.0001

■ 13.3595, 18.1741,
35.1598

■ 44.8550, 56.1632,
91.7942

■ 7.7553, 11.0751,
23.5015

■ 61.4656, 75.6715,
119.2872

■ 3.9892, 6.1174,
14.7554

■ 81.7412, 99.2432,
151.7853

■ 1.6960, 2.9166,
8.5032

■ 106.0471,
127.2625, 189.7070

■ 0.4538, 1.0883,
4.3262

■ 134.7487,
160.1139, 233.4707

■ 0.0000, 0.0000,
1.8060

168.2113,

■ 0.0000, 0.0000,

198.1819, 283.4951

0.4319

206.8004,
241.8507, 340.1988

■ 0.0000, 0.0000,
0.0000

■ 21.1673, 27.7989,
50.1490

■ 21.1673, 27.7989,
50.1490

■ 20.3370, 26.5787,
49.9578

■ 22.2979, 29.1960,
50.3596

■ 20.1520, 26.2928,
49.9123

■ 23.7898, 30.8000,
50.5906

■ 25.6866, 32.6341,
50.8446

■ 28.0251, 34.7174,
51.1235

■ 30.8380, 37.0669,
51.4287

■ 34.1545, 39.6978,
51.7618

■ 38.0016, 42.6242,
52.1238

■ 42.4044, 45.8591,
52.5162

■ 47.3862, 49.4147,
52.9399

Harmonies

Analogous

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



19.3671, 27.7989, 37.0461



21.1673, 27.7989, 50.1490



24.4862, 27.7989, 58.8053

Triad

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



21.1673, 27.7989, 50.1490



35.0832, 27.7989, 36.3170



24.2739, 27.7989, 12.9799

Complementary

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



21.1673, 27.7989, 50.1490



21.3474, 12.7458, 2.1468

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.



28.4573, 27.7989, 12.8824



21.1673, 27.7989, 50.1490



35.0107, 27.7989, 24.3721

Square

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



21.1673, 27.7989, 50.1490



32.6700, 27.7989, 49.4944



32.4815, 27.7989, 16.4888



21.0262, 27.7989, 16.8040

Rectangle

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



21.1673, 27.7989, 50.1490



27.2523, 27.7989, 59.7249



32.4815, 27.7989, 16.4888



25.6088, 27.7989, 12.5528

Sweetspot

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



21.1682, 27.7999, 50.1497



61.9006, 71.6635, 92.7745



18.2791, 35.1112, 8.8334



12.8746, 15.0836, 19.9545



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.



21.1682, 27.7999, 50.1497



35.9388, 46.7838, 89.3406



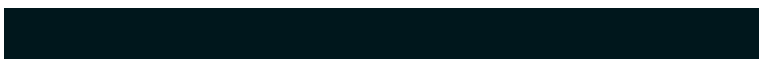
11.7658, 8.9950, 47.0155



9.1310, 9.9393, 11.5167



13.7686, 17.9968, 34.0011



0.5206, 0.7049, 1.2104

Inverse Universe

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



26.4006, 13.3624, 33.0870



46.0573, 22.5623, 55.5151



28.2800, 26.6110, 4.4576



9.3125, 9.1354, 10.9930



17.5634, 8.5991, 21.3856



0.6369, 0.3103, 0.8476

Previews

White Background



This preview shows how the XYZ color 21.1673, 27.7989, 50.1490 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 21.1673, 27.7989, 50.1490 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

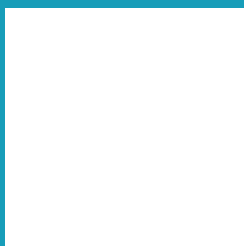
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 21.1673, 27.7989, 50.1490

Background



This preview shows how black text looks on a background with the XYZ color 21.1673, 27.7989, 50.1490.

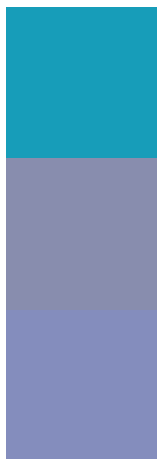


This preview shows how white text looks on a background with the XYZ color 21.1673, 27.7989,

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

21.1673, 27.7989, 50.1490

Protanopia

27.3182, 27.3400, 43.8817

Deuteranopia

28.2259, 27.6294, 51.9895



Tritanopia

19.8445, 27.7748, 43.3449

Trichromacy



Original Color

21.1673, 27.7989, 50.1490

Protanomaly

23.1889, 26.5147, 46.0151

Deuteranomaly

23.9245, 26.7736, 51.4838

Tritanomaly

20.2628, 27.6797, 45.8697

Monochromacy



Original Color

21.1673, 27.7989, 50.1490

Achromatopsia

17.8524, 18.7821, 20.4537

Achromatomaly

17.1679, 20.7200, 29.4801

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.1673, 27.7989, 50.1490 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(23, 157, 185)` looks like.

```
.text, #text, p{  
  color:rgb(23, 157, 185)  
}
```

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(23, 157, 185) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(23, 157, 185) }
```

Border

The CSS property to change the border of an element to XYZ 21.1673, 27.7989, 50.1490 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(23, 157, 185) }
```


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

```
.border{ border-color:rgb(23, 157, 185) }
```

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

Here you see how a box with a 4 pixel `rgb(23, 157, 185)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(23, 157, 185); -webkit-box-  
shadow:4px 4px 4px 4px rgb(23, 157, 185);  
box-shadow:4px 4px 4px 4px rgb(23, 157,  
185) }
```

Background

The CSS property to change the background color of an element to XYZ 21.1673, 27.7989, 50.1490 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(23, 157, 185) }
```

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

```
.background{ background-color: rgb(23, 157,  
185) }
```

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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