

Converting Colors

XYZ(21.1257, 27.5489, 51.0923)

Have a look what the booklet for
XYZ(21.1257, 27.5489, 51.0923)
contains.

XYZ(21.1267, 27.5032, 51.2089)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(21.1267, 27.5032,
51.2089)**

Conversions

Conversions Part 1

Format	Color
Hex	139CBB
RGB	19, 156, 187
RGB Percent	7%, 61%, 73%
CMY	0.9254, 0.3882, 0.2667
CMYK	0.90, 0.17, 0.00, 0.27
HSL	191°, 82%, 40%
HSV	191°, 90%, 73%
XYZ	21.1267, 27.5032, 51.2089
YIQ	118.5710, -91.6030, -19.4030

Conversions

Conversions Part 2

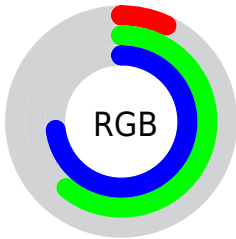
Format	Color
RYB	19, 94, 187
Decimal	1285307
CIELab	59.44, -22.28, -25.47
CIElCh	59, 33.841, 228.819
Yxy	27.5032, 0.2116, 0.2755
Android (android.graphics.Color)	4279475387 (0xFF139CBB)
YUV	118.5710, 33.7355, -87.3238
Hunter-Lab	52.4435, -19.8679, -21.1838

Details

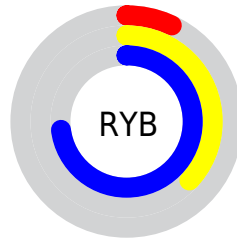
The XYZ color **21.1267, 27.5032, 51.2089** is a dark color, and the websafe version is hex **0099CC**. A complement of this color would be **21.7533, 12.8955, 1.9599**, and the grayscale version is **17.3198, 18.2218, 19.8435**.

A 20% lighter version of the original color is **44.8388, 55.8263, 93.2063**, and **9.2534, 11.6219, 24.3098** is the 20% darker color. If you saturate the color by 10%, you get **20.2917, 26.2257, 51.0069**, and if you desaturate by 10%, it is **22.2352, 28.9471, 51.4297**.

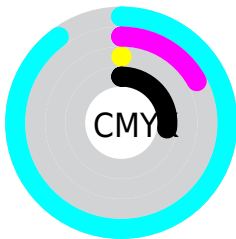
Distribution



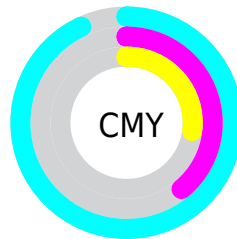
- Red (7%)
- Green (61%)
- Blue (73%)



- Red (7%)
- Yellow (37%)
- Blue (73%)



- Cyan (90%)
- Magenta (17%)
- Yellow (0%)
- Black (27%)



- Cyan (93%)
- Magenta (39%)
- Yellow (27%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.1267, 27.5032, 51.2089 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 21.1267, 27.5032, 51.2089 by changing the saturation by 10% instead.

■ 21.1267, 27.5032,
51.2089

■ 21.1267, 27.5032,
51.2089

250.6701,
290.0853, 408.2446

■ 13.3296, 17.9515,
35.9970

■ 44.7880, 55.6903,
93.3781

■ 7.7345, 10.9152,
24.1422

■ 61.3829, 75.0945,
121.1726

■ 3.9759, 6.0098,
15.2260

■ 81.6412, 98.5516,
153.9983

■ 1.6885, 2.8511,
8.8297

■ 105.9282,
126.4461, 192.2738

■ 0.4491, 1.0545,
4.5350

■ 134.6092,
159.1623, 236.4176

■ 0.0000, 0.0000,
1.9232

168.0496,

■ 0.0000, 0.0000,

197.0847, 286.8483

0.5074

206.6148,
240.5975, 343.9845

■ 0.0000, 0.0000,
0.0000

■ 21.1267, 27.5032,
51.2089

■ 21.1267, 27.5032,
51.2089

■ 20.2917, 26.2257,
51.0069

■ 22.2352, 28.9471,
51.4297

■ 20.2777, 26.2039,
51.0034

■ 23.7048, 30.6013,
51.6716

■ 25.5823, 32.4906,
51.9373

■ 27.9066, 34.6353,
52.2287

■ 30.7122, 37.0532,
52.5476

■ 34.0298, 39.7606,
52.8953

■ 37.8876, 42.7720,
53.2732

■ 42.3119, 46.1012,
53.6826

■ 47.3271, 49.7609,
54.1247

Harmonies

Analogous

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



19.1515, 27.5032, 38.1370



21.1267, 27.5032, 51.2089



24.5900, 27.5032, 59.2287

Triad

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



21.1267, 27.5032, 51.2089



34.9932, 27.5032, 34.7116



23.5956, 27.5032, 12.8226

Complementary

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



21.1267, 27.5032, 51.2089



21.7533, 12.8955, 1.9599

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.



27.7558, 27.5032, 12.3702



21.1267, 27.5032, 51.2089



34.6526, 27.5032, 23.0213

Square

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



21.1267, 27.5032, 51.2089



32.7775, 27.5032, 48.1248



31.8918, 27.5032, 15.5739



20.4667, 27.5032, 17.0414

Rectangle

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



21.1267, 27.5032, 51.2089



27.4123, 27.5032, 59.4928



31.8918, 27.5032, 15.5739



24.9096, 27.5032, 12.2776

Sweetspot

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



21.1276, 27.5042, 51.2096



62.5069, 72.4479, 94.8908



18.6115, 35.9086, 8.9477



13.2758, 15.5653, 20.8473



90.7827, 95.5105, 104.0109



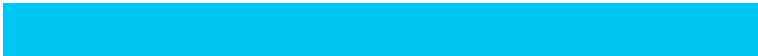
18.6292, 19.5994, 21.3438

Same Dimension

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



21.1276, 27.5042, 51.2096



36.1544, 46.6055, 91.2916



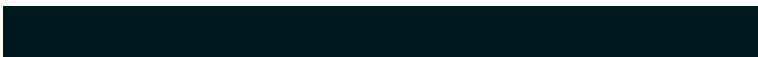
11.5704, 8.3897, 48.0238



9.6548, 10.5020, 12.1904



14.0203, 18.1523, 35.1577



0.5887, 0.7901, 1.3903

Inverse Universe

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



26.7280, 13.4320, 32.6372



46.8442, 22.9777, 55.1164



29.1103, 27.6096, 4.4122



9.8524, 9.6653, 11.6116



18.0776, 8.8622, 21.4998



0.7281, 0.3551, 0.9472

Previews

White Background



This preview shows how the XYZ color 21.1267, 27.5032, 51.2089 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 21.1267, 27.5032, 51.2089 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

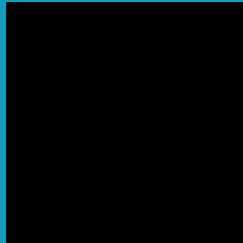
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 21.1267, 27.5032, 51.2089

Background



This preview shows how black text looks on a background with the XYZ color 21.1267, 27.5032, 51.2089.

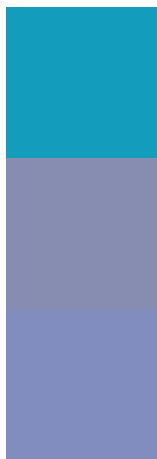


This preview shows how white text looks on a background with the XYZ color 21.1267, 27.5032,

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

21.1267, 27.5032, 51.2089

Protanopia

27.1929, 27.2527, 44.9014

Deuteranopia

27.8353, 27.1849, 53.0703



Tritanopia

19.5775, 27.3940, 42.7838

Trichromacy



Original Color

21.1267, 27.5032, 51.2089

Protanomaly

22.9307, 26.1284, 47.0147

Deuteranomaly

23.6930, 26.3993, 52.5620

Tritanomaly

20.0804, 27.3334, 45.8125

Monochromacy



Original Color

21.1267, 27.5032, 51.2089

Achromatopsia

17.5343, 18.4475, 20.0893

Achromatomaly

16.8526, 20.3551, 29.4263

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.1267, 27.5032, 51.2089 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(19, 156, 187)` looks like.

```
.text, #text, p{  
    color:rgb(19, 156, 187)  
}
```

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(19, 156, 187) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(19, 156, 187) }
```

Border

The CSS property to change the border of an element to XYZ 21.1267, 27.5032, 51.2089 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(19, 156, 187) }
```


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

```
.border{ border-color:rgb(19, 156, 187) }
```

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

Here you see how a box with a 4 pixel `rgb(19, 156, 187)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(19, 156, 187); -webkit-box-  
shadow:4px 4px 4px 4px rgb(19, 156, 187);  
box-shadow:4px 4px 4px 4px rgb(19, 156,  
187) }
```

Background

The CSS property to change the background color of an element to XYZ 21.1267, 27.5032, 51.2089 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(19, 156, 187) }
```

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

```
.background{ background-color: rgb(19, 156,  
187) }
```

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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