

Converting Colors

XYZ(21.7246, 28.3089, 52.7114)

Have a look what the booklet for
XYZ(21.7246, 28.3089, 52.7114)
contains.

XYZ(21.6616, 28.2564, 52.4565)	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(21.6616, 28.2564,
52.4565)**

Conversions

Conversions Part 1

Format	Color
Hex	129EBD
RGB	18, 158, 189
RGB Percent	7%, 62%, 74%
CMY	0.9293, 0.3804, 0.2588
CMYK	0.90, 0.16, 0.00, 0.26
HSL	191°, 83%, 41%
HSV	191°, 90%, 74%
XYZ	21.6616, 28.2564, 52.4565
YIQ	119.6740, -93.3910, -20.0390

Conversions

Conversions Part 2

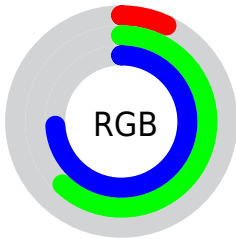
Format	Color
RYB	18, 95, 189
Decimal	1220285
CIELab	60.12, -22.69, -25.55
CIElCh	60, 34.167, 228.390
Yxy	28.2564, 0.2116, 0.2760
Android (android.graphics.Color)	4279410365 (0xFF129EBD)
YUV	119.6740, 34.1777, -89.1681
Hunter-Lab	53.1567, -20.2848, -21.2992

Details

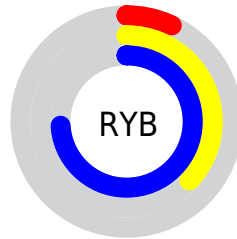
The XYZ color **21.6616, 28.2564, 52.4565** is a dark color, and the websafe version is hex **0099CC**. A complement of this color would be **22.1953, 13.0614, 1.9246**, and the grayscale version is **17.6671, 18.5872, 20.2415**.

A 20% lighter version of the original color is **45.6425, 56.9478, 94.9726**, and **9.5980, 12.0856, 25.1194** is the 20% darker color. If you saturate the color by 10%, you get **20.8625, 27.0284, 52.2621**, and if you desaturate by 10%, it is **22.7656, 29.7059, 52.6787**.

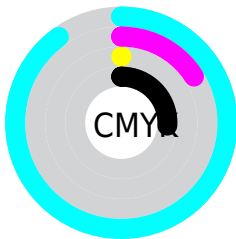
Distribution



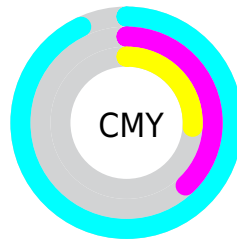
- Red (7%)
- Green (62%)
- Blue (74%)



- Red (7%)
- Yellow (37%)
- Blue (74%)



- Cyan (90%)
- Magenta (16%)
- Yellow (0%)
- Black (26%)



- Cyan (93%)
- Magenta (38%)
- Yellow (26%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.6616, 28.2564, 52.4565 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 21.6616, 28.2564, 52.4565 by changing the saturation by 10% instead.

■ 21.6616, 28.2564,
52.4565

■ 21.6616, 28.2564,
52.4565

253.4397,
293.6901, 413.2034

■ 13.7237, 18.5190,
36.9843

■ 45.6691, 56.8935,
95.2376

■ 8.0091, 11.3233,
24.8997

■ 62.4694, 76.5621,
123.3835

■ 4.1527, 6.2847,
15.7840

■ 82.9544, 100.3098,
156.5912

■ 1.7889, 3.0190,
9.2187

■ 107.4897,
128.5211, 195.2790

■ 0.5109, 1.1416,
4.7854

■ 136.4405,
161.5804, 239.8656

■ 0.0000, 0.0132,
2.0654

170.1722,

■ 0.0000, 0.0000,

199.8721, 290.7695

0.5950

209.0501,
243.7805, 348.4093

■ 0.0000, 0.0000,
0.0000

■ 21.6616, 28.2564,
52.4565

■ 21.6616, 28.2564,
52.4565

■ 20.8625, 27.0284,
52.2621

■ 22.7656, 29.7059,
52.6787

■ 24.2356, 31.3680,
52.9220

■ 26.1204, 33.2685,
53.1895

■ 28.4604, 35.4285,
53.4831

■ 31.2910, 37.8663,
53.8044

■ 34.6441, 40.5986,
54.1551

■ 38.5489, 43.6406,
54.5364

■ 43.0322, 47.0063,
54.9498

■ 48.1193, 50.7090,
55.3964

Harmonies

Analogous

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



19.6559, 28.2564, 38.9867



21.6616, 28.2564, 52.4565



25.2034, 28.2564, 60.8165

Triad

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



21.6616, 28.2564, 52.4565



35.9423, 28.2564, 35.8602



24.2959, 28.2564, 13.1336

Complementary

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



21.6616, 28.2564, 52.4565



22.1953, 13.0614, 1.9246

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.



28.5811, 28.2564, 12.7210



21.6616, 28.2564, 52.4565



35.6314, 28.2564, 23.7913

Square

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



21.6616, 28.2564, 52.4565



33.6312, 28.2564, 49.6409



32.8227, 28.2564, 16.0705



21.0594, 28.2564, 17.4092

Rectangle

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



21.6616, 28.2564, 52.4565



28.0997, 28.2564, 61.1867



32.8227, 28.2564, 16.0705



25.6512, 28.2564, 12.5913

Sweetspot

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



21.6625, 28.2574, 52.4572



64.0599, 74.3027, 97.1917



18.9512, 36.7259, 8.7289



13.2903, 15.5943, 20.8521



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.



21.6625, 28.2574, 52.4572



37.2017, 48.0819, 93.5462



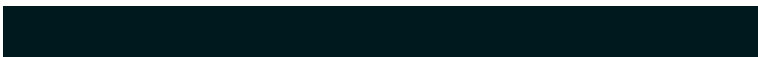
11.9526, 8.8375, 49.2206



9.6575, 10.5073, 12.1913



14.0879, 18.2875, 35.1802



0.5908, 0.7943, 1.3910

Inverse Universe

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



27.3750, 13.7211, 33.5542



48.0605, 23.5661, 56.9145



29.3484, 27.3677, 4.3090



9.8537, 9.6658, 11.6187



18.1117, 8.8758, 21.6795



0.7291, 0.3555, 0.9528

Previews

White Background



This preview shows how the XYZ color 21.6616, 28.2564, 52.4565 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 21.6616, 28.2564, 52.4565 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

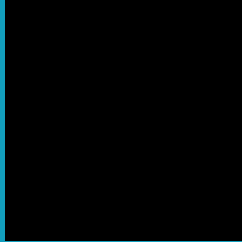
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 21.6616, 28.2564, 52.4565

Background



This preview shows how black text looks on a background with the XYZ color 21.6616, 28.2564, 52.4565.

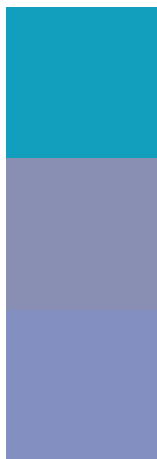


This preview shows how white text looks on a background with the XYZ color 21.6616, 28.2564,

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

21.6616, 28.2564, 52.4565

Protanopia

28.0117, 28.0935, 46.0657

Deuteranopia

28.6587, 28.0216, 54.3503



Tritanopia

20.1136, 28.1587, 43.9102

Trichromacy



Original Color

21.6616, 28.2564, 52.4565



Protanomaly

23.5476, 26.8844, 48.2041



Deuteranomaly

24.3208, 27.1592, 53.8296



Tritanomaly

20.6224, 28.0961, 46.9840

Monochromacy



Original Color

21.6616, 28.2564, 52.4565



Achromatopsia

17.8524, 18.7821, 20.4537



Achromatomaly

17.2032, 20.9335, 29.9219

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.6616, 28.2564, 52.4565 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(18, 158, 189)` looks like.

```
.text, #text, p{  
    color:rgb(18, 158, 189)  
}
```

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(18, 158, 189) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(18, 158, 189) }
```

Border

The CSS property to change the border of an element to XYZ 21.6616, 28.2564, 52.4565 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(18, 158, 189) }
```


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

```
.border{ border-color:rgb(18, 158, 189) }
```

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

Here you see how a box with a 4 pixel `rgb(18, 158, 189)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(18, 158, 189); -webkit-box-  
shadow:4px 4px 4px 4px rgb(18, 158, 189);  
box-shadow:4px 4px 4px 4px rgb(18, 158,  
189) }
```

Background

The CSS property to change the background color of an element to XYZ 21.6616, 28.2564, 52.4565 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(18, 158, 189) }
```

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

```
.background{ background-color: rgb(18, 158,  
189) }
```

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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