

Converting Colors

XYZ(20.9388, 29.5959, 42.6398)

Have a look what the booklet for
XYZ(20.9388, 29.5959, 42.6398)
contains.

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Color

**XYZ(20.9832, 29.6862,
42.6543)**

Conversions

Conversions Part 1

Format	Color
Hex	1BA4AA
RGB	27, 164, 170
RGB Percent	11%, 64%, 67%
CMY	0.8941, 0.3569, 0.3333
CMYK	0.84, 0.04, 0.00, 0.33
HSL	183°, 73%, 39%
HSV	183°, 84%, 67%
XYZ	20.9832, 29.6862, 42.6543
YIQ	123.7210, -83.5780, -27.1780

Conversions

Conversions Part 2

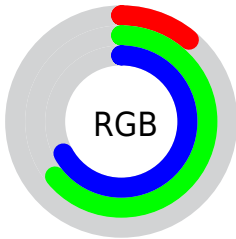
Format	Color
R_{YB}	27, 97, 170
Decimal	1811626
CIE _{Lab}	61.38, -31.35, -12.92
CIE _{LCh}	61, 33.913, 202.398
Yxy	29.6862, 0.2248, 0.3181
Android (android.graphics.Color)	4280001706 (0xFF1BA4AA)
YUV	123.7210, 22.8155, -84.8243
Hunter-Lab	54.4850, -26.6052, -8.2764

Details

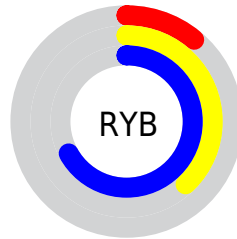
The XYZ color **20.9832, 29.6862, 42.6543** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **17.3201, 9.7140, 2.0001**, and the grayscale version is **19.0138, 20.0040, 21.7844**.

A 20% lighter version of the original color is **44.4016, 58.9241, 80.2674**, and **9.0642, 12.8963, 19.1511** is the 20% darker color. If you saturate the color by 10%, you get **20.5298, 29.2641, 42.5973**, and if you desaturate by 10%, it is **21.6991, 30.2459, 42.7252**.

Distribution



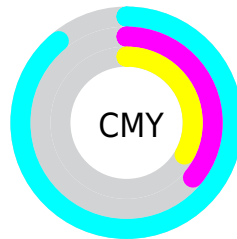
- Red (11%)
- Green (64%)
- Blue (67%)



- Red (11%)
- Yellow (38%)
- Blue (67%)



- Cyan (84%)
- Magenta (4%)
- Yellow (0%)
- Black (33%)



- Cyan (89%)
- Magenta (36%)
- Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.9832, 29.6862, 42.6543 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 20.9832, 29.6862, 42.6543 by changing the saturation by 10% instead.

■ 20.9832, 29.6862,
42.6543

■ 20.9832, 29.6862,
42.6543

249.9226,
300.4390, 373.0675

■ 13.2241, 19.6005,
29.2846

■ 44.5511, 59.1656,
80.4697

■ 7.6611, 12.1050,
19.0488

■ 61.0905, 79.3281,
105.7524

■ 3.9288, 6.8152,
11.5284

■ 81.2875, 103.6183,
135.8432

■ 1.6620, 3.3468,
6.3048

■ 105.5074,
132.4206, 171.1607

■ 0.4323, 1.3154,
2.9595

■ 134.1155,
166.1194, 212.1233

■ 0.0000, 0.1531,
1.0740

167.4771,

■ 0.0000, 0.0000,

205.0992, 259.1496

0.0000

205.9577,
249.7443, 312.6582

■ 20.9832, 29.6862,
42.6543

■ 20.9832, 29.6862,
42.6543

■ 20.5298, 29.2641,
42.5973

■ 21.6991, 30.2459,
42.7252

■ 20.3297, 29.0501,
42.5665

■ 22.7139, 30.9602,
42.8095

■ 24.0612, 31.8468,
42.9097

■ 25.7691, 32.9206,
43.0269

■ 27.8632, 34.1944,
43.1624

■ 30.3664, 35.6802,
43.3173

■ 33.3000, 37.3890,
43.4925

■ 36.6838, 39.3309,
43.6890

■ 40.5362, 41.5155,
43.9076

Harmonies

Analogous

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



20.5158, 29.6862, 29.1709



20.9832, 29.6862, 42.6543



23.2835, 29.6862, 56.0481

Triad

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



20.9832, 29.6862, 42.6543



35.5985, 29.6862, 49.8162



29.3698, 29.6862, 13.5301

Complementary

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



20.9832, 29.6862, 42.6543



17.3201, 9.7140, 2.0001

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.



33.7998, 29.6862, 16.4637



20.9832, 29.6862, 42.6543



37.6353, 29.6862, 35.6948

Square

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



20.9832, 29.6862, 42.6543



31.6240, 29.6862, 60.8873



36.9445, 29.6862, 23.8115



25.0618, 29.6862, 14.4704

Rectangle

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



20.9832, 29.6862, 42.6543



25.6924, 29.6862, 61.9697



36.9445, 29.6862, 23.8115



30.8993, 29.6862, 14.0615

Sweetspot

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



20.9841, 29.6873, 42.6550



54.4402, 64.3512, 78.5536



15.0852, 29.0862, 6.1702



11.7834, 14.1395, 17.4958



82.5889, 86.8899, 94.6231



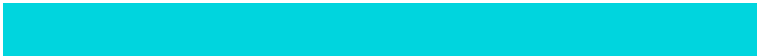
15.4596, 16.2647, 17.7123

Same Dimension

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



20.9841, 29.6873, 42.6550



36.8440, 52.6245, 77.2175



11.6881, 11.0953, 39.5564



7.7202, 8.4773, 9.6477



14.9650, 21.3903, 31.3155



0.3720, 0.5363, 0.7646

Inverse Universe

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



23.6712, 12.0112, 36.1938



42.0305, 20.2868, 64.3471



21.6535, 18.3807, 3.4445



7.8281, 7.6611, 9.4120



17.0543, 8.2304, 26.1610



0.4189, 0.2019, 0.6576

Previews

White Background



This preview shows how the XYZ color 20.9832, 29.6862, 42.6543 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 20.9832, 29.6862, 42.6543 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

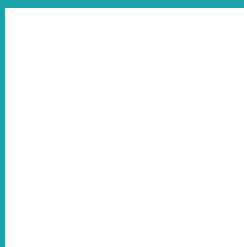
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 20.9832, 29.6862, 42.6543

Background



This preview shows how black text looks on a background with the XYZ color 20.9832, 29.6862, 42.6543.

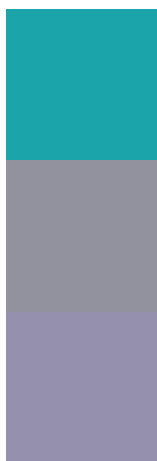


This preview shows how white text looks on a background with the XYZ color 20.9832, 29.6862,

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

20.9832, 29.6862, 42.6543

Protanopia

28.3910, 29.1720, 36.9353

Deuteranopia

29.8260, 29.2984, 44.1276



Tritanopia

21.5934, 29.6691, 45.6629

Trichromacy



Original Color

20.9832, 29.6862, 42.6543



Protanomaly

23.5956, 28.3104, 38.8712



Deuteranomaly

24.3184, 28.0934, 43.6760



Tritanomaly

21.3022, 29.5417, 44.6238

Monochromacy



Original Color

20.9832, 29.6862, 42.6543



Achromatopsia

19.1579, 20.1556, 21.9495



Achromatomaly

18.1602, 22.5122, 28.5874

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.9832, 29.6862, 42.6543 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(27, 164, 170)` looks like.

```
.text, #text, p{  
    color:rgb(27, 164, 170)  
}
```

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(27, 164, 170) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(27, 164, 170) }
```

Border

The CSS property to change the border of an element to XYZ 20.9832, 29.6862, 42.6543 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(27, 164, 170) }
```


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

```
.border{ border-color:rgb(27, 164, 170) }
```

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

Here you see how a box with a 4 pixel `rgb(27, 164, 170)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(27, 164, 170); -webkit-box-  
shadow:4px 4px 4px 4px rgb(27, 164, 170);  
box-shadow:4px 4px 4px 4px rgb(27, 164,  
170) }
```

Background

The CSS property to change the background color of an element to XYZ 20.9832, 29.6862, 42.6543 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(27, 164, 170) }
```

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

```
.background{ background-color: rgb(27, 164,  
170) }
```

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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