

Converting Colors

XYZ(20.9581, 26.2207, 42.4851)

Have a look what the booklet for
XYZ(20.9581, 26.2207, 42.4851)
contains.

XYZ(20.9295, 26.1307, 42.4687)	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(20.9295, 26.1307,
42.4687)**

Conversions

Conversions Part 1

Format	Color
Hex	4896AB
RGB	72, 150, 171
RGB Percent	28%, 59%, 67%
CMY	0.7176, 0.4118, 0.3294
CMYK	0.58, 0.12, 0.00, 0.33
HSL	193°, 41%, 48%
HSV	193°, 58%, 67%
XYZ	20.9295, 26.1307, 42.4687
YIQ	129.0720, -53.2290, -10.0050

Conversions

Conversions Part 2

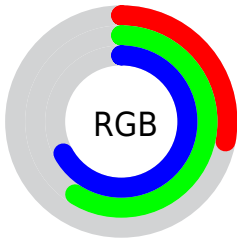
Format	Color
R_{YB}	72, 116, 171
Decimal	4757163
CIE _{Lab}	58.16, -17.73, -18.26
CIE _{LCh}	58, 25.452, 225.856
Yxy	26.1307, 0.2338, 0.2919
Android (android.graphics.Color)	4282947243 (0xFF4896AB)
YUV	129.0720, 20.6705, -50.0521
Hunter-Lab	51.1182, -16.3730, -13.4750

Details

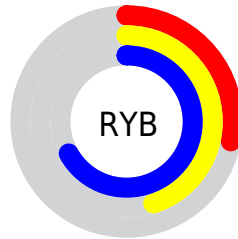
The XYZ color **20.9295, 26.1307, 42.4687** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **21.8792, 16.9552, 8.2512**, and the grayscale version is **20.8355, 21.9205, 23.8715**.

A 20% lighter version of the original color is **44.3736, 53.3438, 79.9092**, and **7.7916, 10.2556, 19.0216** is the 20% darker color. If you saturate the color by 10%, you get **19.2579, 24.4235, 42.2278**, and if you desaturate by 10%, it is **22.9752, 28.0585, 42.7335**.

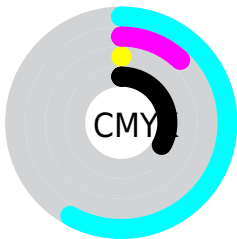
Distribution



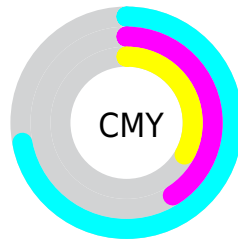
- Red (28%)
- Green (59%)
- Blue (67%)



- Red (28%)
- Yellow (45%)
- Blue (67%)



- Cyan (58%)
- Magenta (12%)
- Yellow (0%)
- Black (33%)



- Cyan (72%)
- Magenta (41%)
- Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.9295, 26.1307, 42.4687 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 20.9295, 26.1307, 42.4687 by changing the saturation by 10% instead.

■ 20.9295, 26.1307,
42.4687

■ 20.9295, 26.1307,
42.4687

249.6424,
283.4231, 372.2790

■ 13.1846, 16.9214,
29.1402

■ 44.4623, 53.4857,
80.1862

■ 7.6337, 10.1785,
18.9404

■ 60.9810, 72.4003,
105.4123

■ 3.9113, 5.5175,
11.4508

■ 81.1550, 95.3187,
135.4413

■ 1.6521, 2.5540,
6.2530

■ 105.3497,
122.6254, 170.6917

■ 0.4260, 0.9036,
2.9282

■ 133.9305,
154.7049, 211.5822

■ 0.0000, 0.0000,
1.0581

167.2626,

■ 0.0000, 0.0000,

191.9413, 258.5312

0.0000

205.7114,
234.7193, 311.9573

■ 20.9295, 26.1307,
42.4687

■ 20.9295, 26.1307,
42.4687

■ 19.2579, 24.4235,
42.2278

■ 22.9752, 28.0585,
42.7335

■ 17.9276, 22.9180,
42.0073

■ 25.4194, 30.2180,
43.0215

■ 16.9039, 21.5968,
41.8062

■ 28.2874, 32.6230,
43.3345

■ 16.1289, 20.4296,
41.6218

■ 31.6015, 35.2852,
43.6737

■ 15.9770, 20.1928,
41.5841

■ 35.3823, 38.2157,
44.0401

■ 39.6494, 41.4245,
44.4345

■ 44.4209, 44.9213,
44.8580

■ 49.7142, 48.7153,
45.3113

■ 55.5459, 52.8153,
45.7953

Harmonies

Analogous

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



19.5555, 26.1307, 33.3512



20.9295, 26.1307, 42.4687



23.4148, 26.1307, 48.3121

Triad

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



20.9295, 26.1307, 42.4687



31.0448, 26.1307, 32.8089



23.2505, 26.1307, 15.0377

Complementary

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



20.9295, 26.1307, 42.4687



21.8792, 16.9552, 8.2512

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.



26.3145, 26.1307, 14.9519



20.9295, 26.1307, 42.4687



30.9916, 26.1307, 24.0576

Square

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



20.9295, 26.1307, 42.4687



29.3415, 26.1307, 42.0015



29.2016, 26.1307, 17.9182



20.8178, 26.1307, 18.1833

Rectangle

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



20.9295, 26.1307, 42.4687



25.4467, 26.1307, 48.9216



29.2016, 26.1307, 17.9182



24.2360, 26.1307, 14.6760

Sweetspot

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



20.9303, 26.1317, 42.4693



56.9730, 63.4903, 78.2539



19.1591, 31.2733, 15.1069



12.4326, 13.9434, 17.4238



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.



20.9303, 26.1317, 42.4693



33.8825, 43.0819, 75.5317



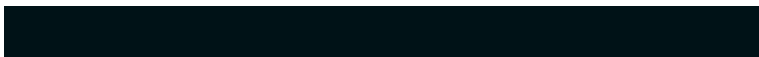
14.7459, 13.7627, 40.4078



8.0900, 8.7793, 10.2209



12.0833, 15.3004, 31.3609



0.3718, 0.4969, 0.8843

Inverse Universe

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



24.6177, 15.4954, 30.5486



41.4192, 23.4250, 50.6993



27.5341, 28.2649, 10.1361



8.2632, 8.1185, 9.6969



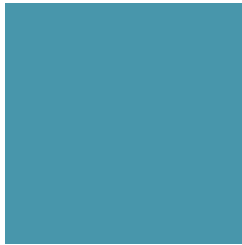
15.9627, 7.8476, 17.9809



0.4621, 0.2255, 0.5950

Previews

White Background



This preview shows how the XYZ color 20.9295, 26.1307, 42.4687 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 20.9295, 26.1307, 42.4687 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

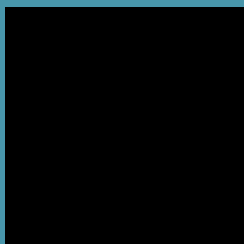
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

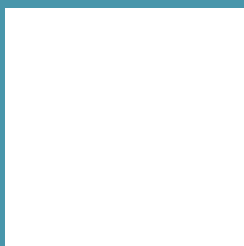
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 20.9295, 26.1307, 42.4687

Background



This preview shows how black text looks on a background with the XYZ color 20.9295, 26.1307, 42.4687.



This preview shows how white text looks on a background with the XYZ color 20.9295, 26.1307,

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

20.9295, 26.1307, 42.4687

Protanopia

25.5309, 25.8896, 38.3019

Deuteranopia

26.4358, 25.8152, 43.6339



Tritanopia

20.2217, 26.0788, 39.0899

Trichromacy



Original Color

20.9295, 26.1307, 42.4687

Protanomaly

23.1115, 25.4787, 39.7762

Deuteranomaly

23.7498, 25.5116, 43.2077

Tritanomaly

20.5674, 26.2253, 40.5372

Monochromacy



Original Color

20.9295, 26.1307, 42.4687

Achromatopsia

20.8660, 21.9526, 23.9064

Achromatomaly

20.1640, 23.0931, 29.7802

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.9295, 26.1307, 42.4687 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(72, 150, 171)` looks like.

```
.text, #text, p{  
    color:rgb(72, 150, 171)  
}
```

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(72, 150, 171) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(72, 150, 171) }
```

Border

The CSS property to change the border of an element to XYZ 20.9295, 26.1307, 42.4687 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(72, 150, 171) }
```


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

```
.border{ border-color:rgb(72, 150, 171) }
```

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

Here you see how a box with a 4 pixel `rgb(72, 150, 171)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(72, 150, 171); -webkit-box-shadow:4px 4px 4px 4px rgb(72, 150, 171); box-shadow:4px 4px 4px 4px rgb(72, 150, 171) }
```

Background

The CSS property to change the background color of an element to XYZ 20.9295, 26.1307, 42.4687 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(72, 150, 171) }
```

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

```
.background{ background-color: rgb(72, 150,  
171) }
```

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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