

Converting Colors

XYZ(20.0901, 26.8066, 45.5026)

Have a look what the booklet for
XYZ(20.0901, 26.8066, 45.5026)
contains.

XYZ(20.1639, 26.8782, 45.7202)	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(20.1639, 26.8782,
45.7202)**

Conversions

Conversions Part 1

Format	Color
Hex	1D9BB1
RGB	29, 155, 177
RGB Percent	11%, 61%, 69%
CMY	0.8862, 0.3921, 0.3059
CMYK	0.84, 0.12, 0.00, 0.31
HSL	189°, 72%, 40%
HSV	189°, 84%, 69%
XYZ	20.1639, 26.8782, 45.7202
YIQ	119.8340, -82.1580, -19.8700

Conversions

Conversions Part 2

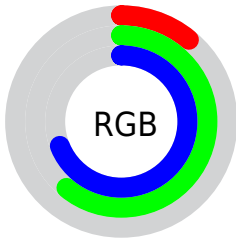
Format	Color
R_{YB}	29, 97, 177
Decimal	1940401
CIE _{Lab}	58.86, -24.47, -20.69
CIE _{LCh}	59, 32.050, 220.218
Yxy	26.8782, 0.2174, 0.2898
Android (android.graphics.Color)	4280130481 (0xFF1D9BB1)
YUV	119.8340, 28.1828, -79.6614
Hunter-Lab	51.8442, -21.3028, -15.9956

Details

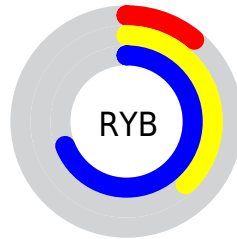
The XYZ color **20.1639, 26.8782, 45.7202** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **19.5382, 11.8051, 2.4124**, and the grayscale version is **17.7332, 18.6567, 20.3172**.

A 20% lighter version of the original color is **43.3481, 54.8599, 85.3951**, and **8.4883, 11.1557, 20.7747** is the 20% darker color. If you saturate the color by 10%, you get **19.3667, 25.8247, 45.5594**, and if you desaturate by 10%, it is **21.2596, 28.1008, 45.8990**.

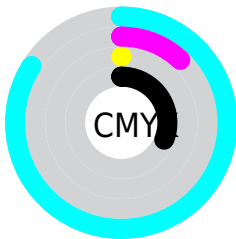
Distribution



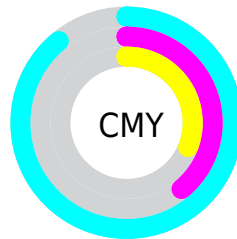
- Red (11%)
- Green (61%)
- Blue (69%)



- Red (11%)
- Yellow (38%)
- Blue (69%)



- Cyan (84%)
- Magenta (12%)
- Yellow (0%)
- Black (31%)



- Cyan (89%)
- Magenta (39%)
- Yellow (31%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.1639, 26.8782, 45.7202 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 20.1639, 26.8782, 45.7202 by changing the saturation by 10% instead.

20.1639, 26.8782,
45.7202

20.1639, 26.8782,
45.7202

245.6177,
287.0669, 385.9275

12.6232, 17.4818,
31.6780

43.1937, 54.6884,
85.1300

7.2448, 10.5786,
20.8529

59.4134, 73.8709,
111.3346

3.6634, 5.7842,
12.8263

79.2569, 97.0842,
142.4305

1.5135, 2.7143,
7.1797

103.0895,
124.7127, 178.8362

0.3350, 0.9845,
3.4946

131.2765,
157.1409, 220.9702

0.0000, 0.0000,
1.3524

164.1833,

0.0000, 0.0000,

194.7530, 269.2510

0.1042

202.1752,
237.9336, 324.0973

■ 0.0000, 0.0000,
0.0000

■ 20.1639, 26.8782,
45.7202

■ 20.1639, 26.8782,
45.7202

■ 19.3667, 25.8247,
45.5594

■ 21.2596, 28.1008,
45.8990

■ 18.9524, 25.2073,
45.4621

■ 22.6943, 29.5118,
46.0957

■ 24.5046, 31.1309,
46.3128

■ 26.7217, 32.9741,
46.5517

■ 29.3737, 35.0560,
46.8138

■ 32.4860, 37.3898,
47.1002

■ 36.0818, 39.9875,
47.4121

■ 40.1831, 42.8606,
47.7505

■ 44.8103, 46.0197,
48.1164

Harmonies

Analogous

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



18.7638, 26.8782, 33.3059



20.1639, 26.8782, 45.7202



23.0562, 26.8782, 54.9470

Triad

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



20.1639, 26.8782, 45.7202



33.4003, 26.8782, 37.2818



24.2202, 26.8782, 12.6265

Complementary

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



20.1639, 26.8782, 45.7202



19.5382, 11.8051, 2.4124

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.



28.2109, 26.8782, 13.1713



20.1639, 26.8782, 45.7202



33.7947, 26.8782, 25.5664

Square

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



20.1639, 26.8782, 45.7202



30.7841, 26.8782, 49.2690



31.8117, 26.8782, 17.3253



20.9402, 26.8782, 15.5755

Rectangle

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



20.1639, 26.8782, 45.7202



25.5759, 26.8782, 56.9282



31.8117, 26.8782, 17.3253



25.5180, 26.8782, 12.4302

Sweetspot

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



20.1648, 26.8792, 45.7209



57.1022, 66.1674, 84.2573



16.7786, 31.9258, 8.1560



11.9523, 14.0244, 18.2214



84.5950, 89.0005, 96.9216



16.2198, 17.0645, 18.5832

Same Dimension

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



20.1648, 26.8792, 45.7209



33.8138, 44.8871, 81.3772



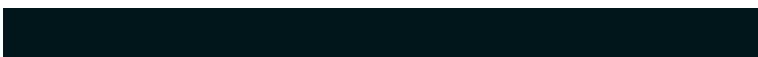
11.5577, 9.6650, 42.8518



8.6329, 9.4120, 10.8680



13.7664, 18.3332, 32.9501



0.4623, 0.6351, 1.0465

Inverse Universe

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



24.4880, 12.5934, 32.1513



42.3666, 20.6979, 53.6191



25.4045, 23.5376, 4.3678



8.7946, 8.6246, 10.4170



17.1833, 8.3909, 21.9230



0.5554, 0.2699, 0.7673

Previews

White Background



This preview shows how the XYZ color 20.1639, 26.8782, 45.7202 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 20.1639, 26.8782, 45.7202 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

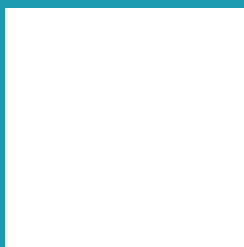
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 20.1639, 26.8782, 45.7202

Background



This preview shows how black text looks on a background with the XYZ color 20.1639, 26.8782, 45.7202.



This preview shows how white text looks on a background with the XYZ color 20.1639, 26.8782,

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

20.1639, 26.8782, 45.7202

Protanopia

26.1072, 26.3693, 39.7902

Deuteranopia

27.1018, 26.4997, 47.4026



Tritanopia

19.2469, 26.7431, 41.6836

Trichromacy



Original Color

20.1639, 26.8782, 45.7202

Protanomaly

22.2050, 25.6399, 41.8089

Deuteranomaly

22.9308, 25.6747, 46.9271

Tritanomaly

19.6234, 26.9042, 43.1885

Monochromacy



Original Color

20.1639, 26.8782, 45.7202

Achromatopsia

17.8524, 18.7821, 20.4537

Achromatomaly

17.1257, 20.7244, 28.2969

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.1639, 26.8782, 45.7202 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(29, 155, 177)` looks like.

```
.text, #text, p{  
  color:rgb(29, 155, 177)  
}
```

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(29, 155, 177) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(29, 155, 177) }
```

Border

The CSS property to change the border of an element to XYZ 20.1639, 26.8782, 45.7202 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(29, 155, 177) }
```


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

```
.border{ border-color:rgb(29, 155, 177) }
```

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

Here you see how a box with a 4 pixel `rgb(29, 155, 177)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(29, 155, 177); -webkit-box-  
shadow:4px 4px 4px 4px rgb(29, 155, 177);  
box-shadow:4px 4px 4px 4px rgb(29, 155,  
177) }
```

Background

The CSS property to change the background color of an element to XYZ 20.1639, 26.8782, 45.7202 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(29, 155, 177) }
```

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

```
.background{ background-color: rgb(29, 155,  
177) }
```

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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